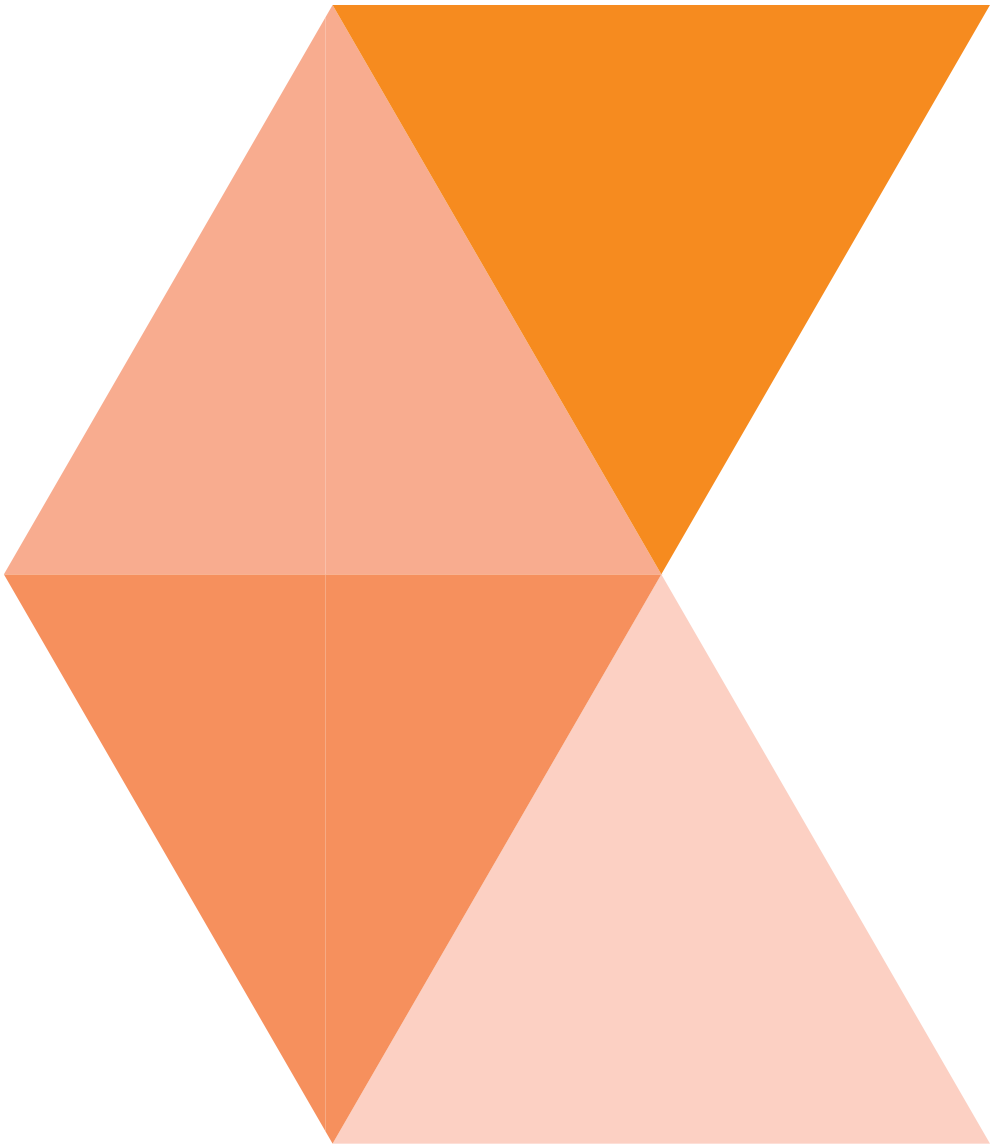
Klemsan 50th ANNIVERSARY

Product Catalogue



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PB

Terminal Blocks
Marking Solutions
Wiring Ducts
Electronic Products

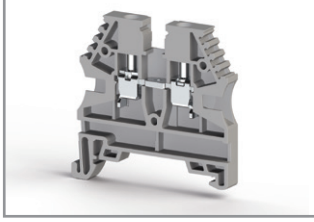
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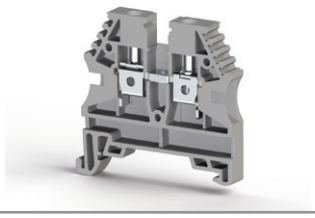
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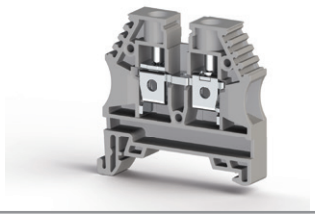
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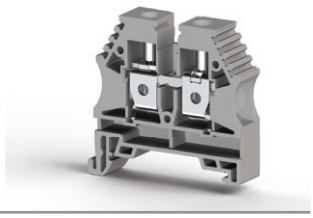
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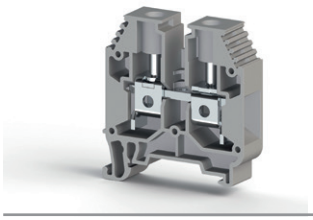
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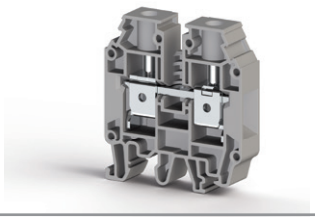
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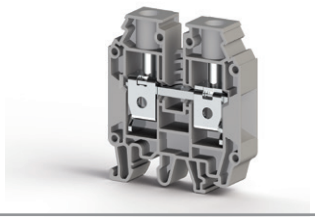
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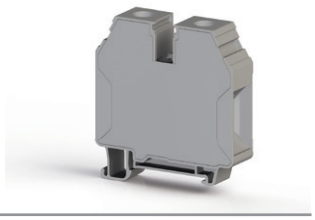
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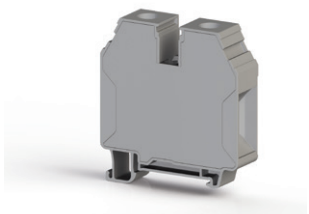
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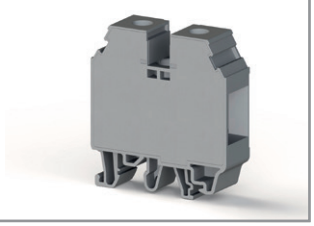
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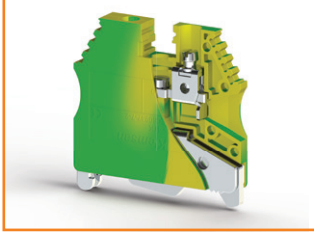


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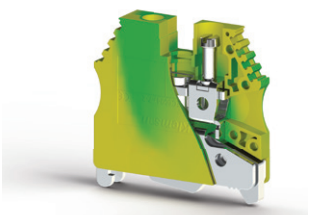


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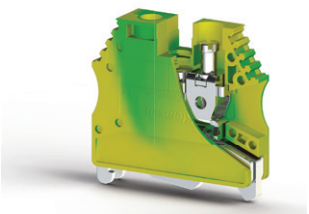
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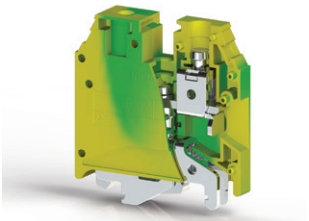
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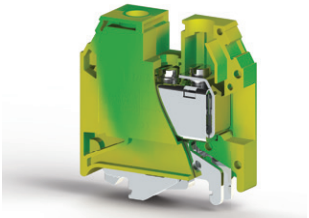
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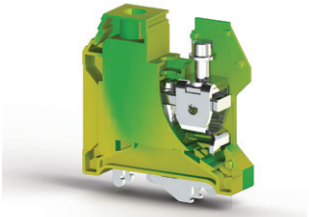
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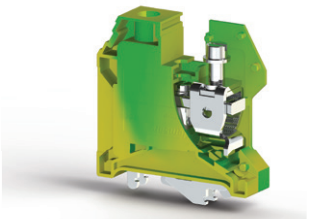
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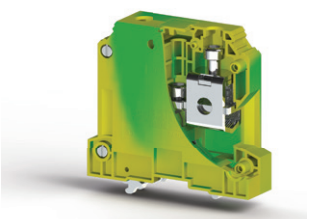
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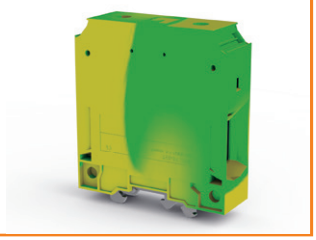
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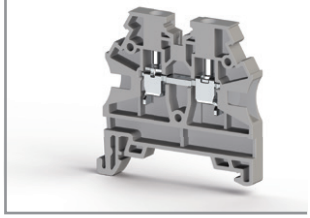


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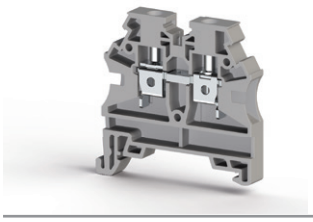


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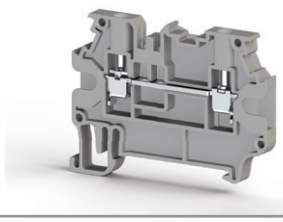
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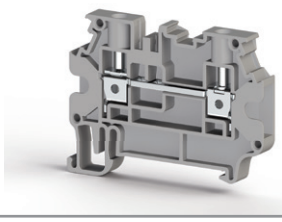
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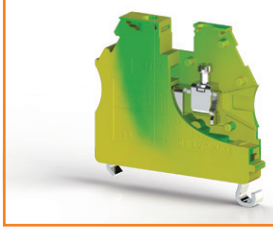


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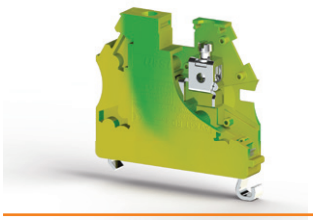


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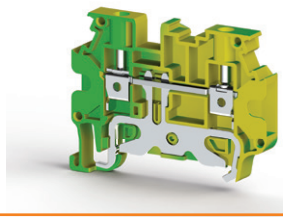
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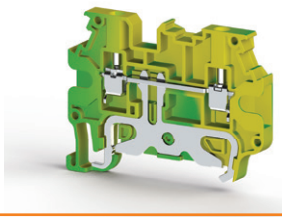
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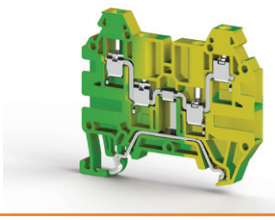
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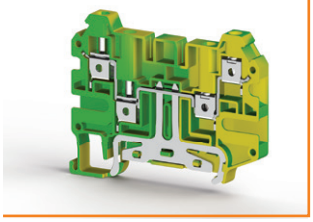
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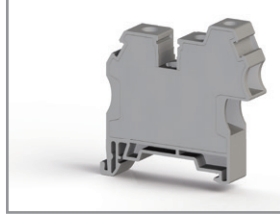


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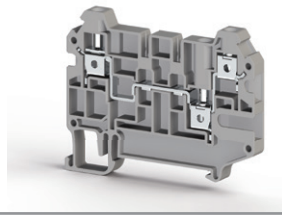


AVK Series Terminals

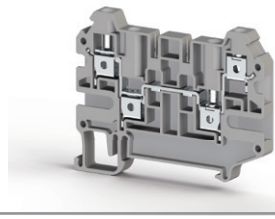
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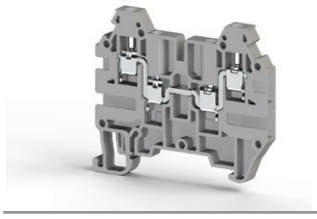
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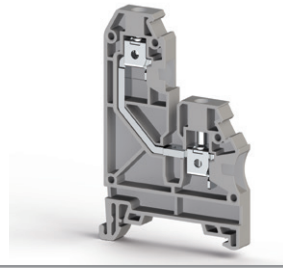
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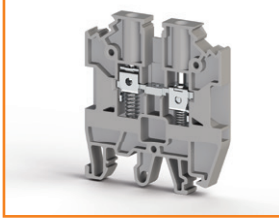


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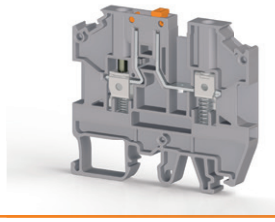


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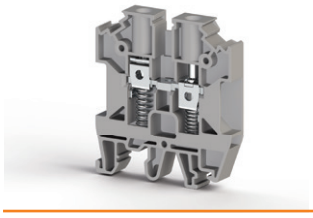
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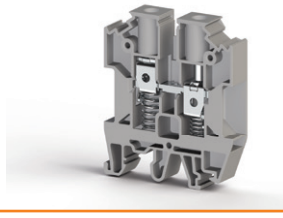
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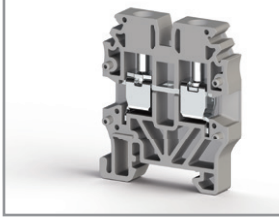


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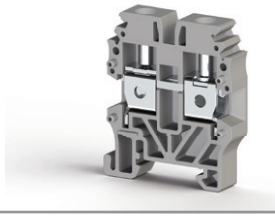


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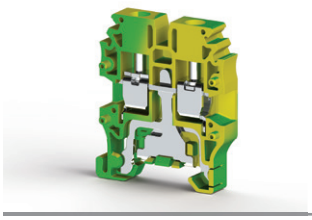
MVK 2,5
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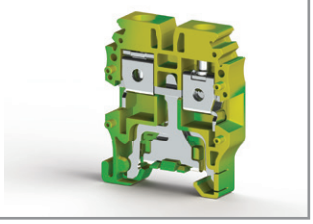
MVK 4
304 439 / Page: 58



MVK 2,5 T
334 420 / Page: 59

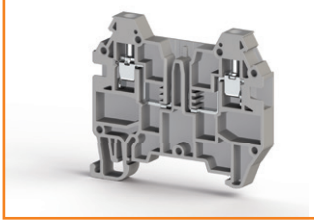


MVK 4 T
334 430 / Page: 59

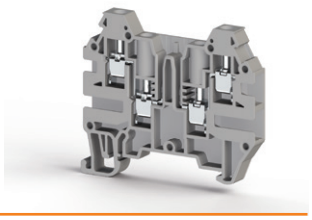


AVK Series Functional Terminals

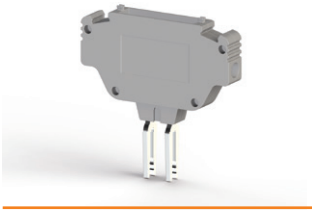
AVK 2,5 F
324 929 / Page: 60



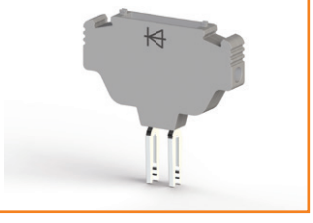
AVK 2,5 CF
324 919 / Page: 60



AVK SKT
498 759 / Page: 61

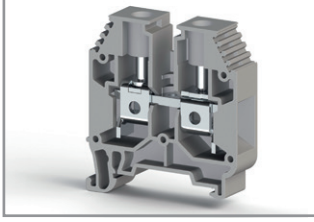


AVK SKTD
498 859 / Page: 61

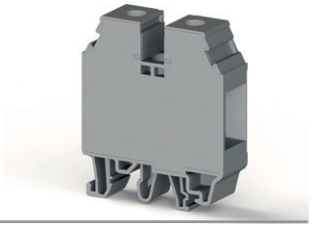


AVK PV Series Terminals

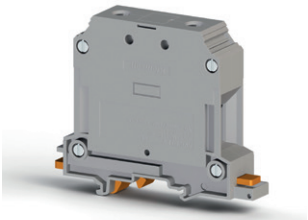
AVK 16 PV
304 160 P / Page: 62



AVK 35 RD PV
304 250 P / Page: 62



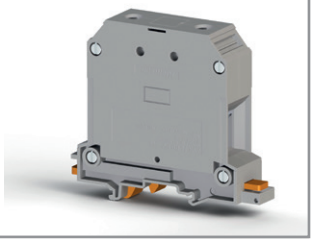
AVK 50 PV
304 330 P / Page: 63



AVK 70 PV
304 190 P / Page: 63

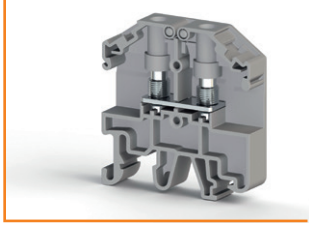


AVK 70 RD PV
304 490 P / Page: 63

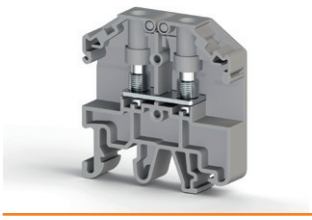


PB - CPB Series Terminals

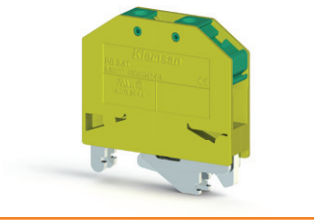
PB 2,5/NM
308 029 / Page: 178



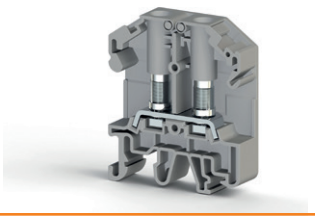
PB 2,5K/NM
308 039 / Page: 178



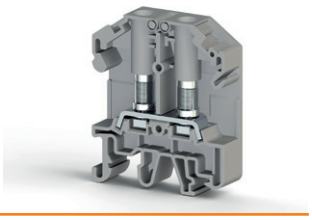
PB 2,5T/NM
337 010 / Page: 179



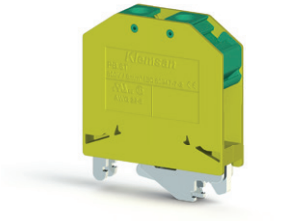
PB 6/NM
308 009 / Page: 179



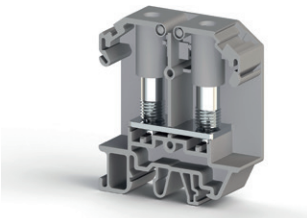
PB 6K/NM
308 019 / Page: 179



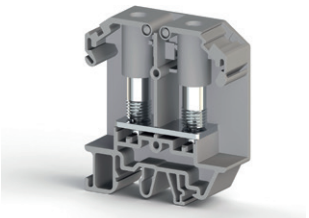
PB 6 T/NM
337 000 / Page: 180



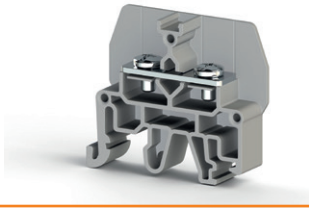
PB 25/NM (M5)
308 049 / Page: 180



PB 25/NM (M6)
308 059 / Page: 181

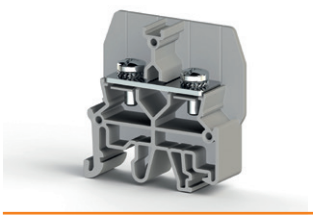


CPB 6
326 809 / Page: 65

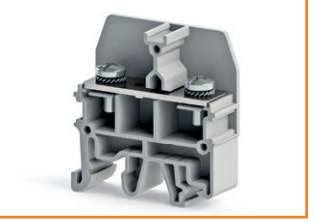


AVK Screw Type High Current Terminals

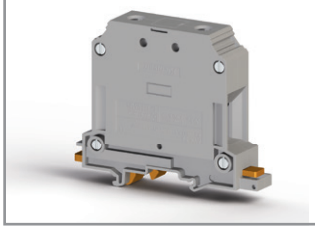
CPB 6 B
326 819 / Page: 65



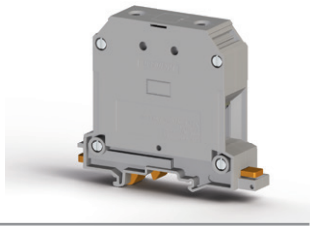
CPB 6 U
326 829 / Page: 65



AVK 50
304 330 / Page: 68



AVK 70 RD
304 490 / Page: 68



AVK 95
304 340 / Page: 69



AVK 150
304 350 / Page: 69

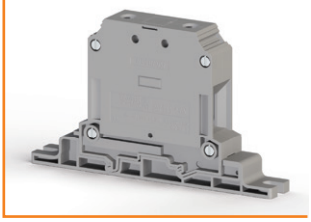


AVK 240
304 360 / Page: 69

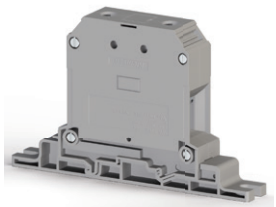


AVK PB Series Terminals

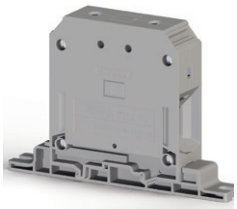
AVK PB 50
304 440 / Page: 70



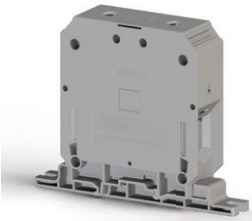
AVK PB 70 RD
304 450 / Page: 70



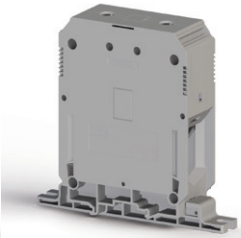
AVK PB 95
304 460 / Page: 71



AVK PB 150
304 470 / Page: 71



AVK PB 240
304 480 / Page: 71



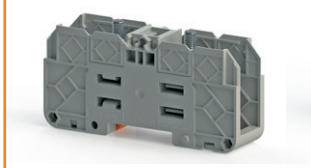
AVK EK Serie Terminal

AVK EK 6
304 370 / Page: 71



PAK Series

PAK 25-35
313 009 / Page: 72



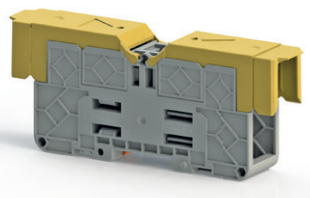
PAK 25-35 KK
313 019 / Page: 72



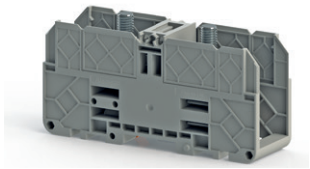
PAK 50-70
313 049 / Page: 73



PAK 50-70 KK
313 059 / Page: 73



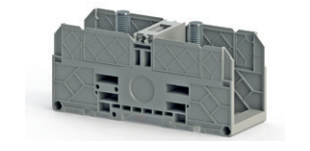
PAK 95-150
313 089 / Page: 73



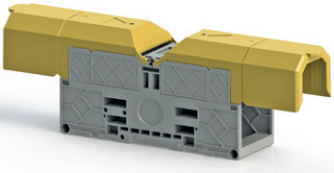
PAK 95-150 KK
313 099 / Page: 74



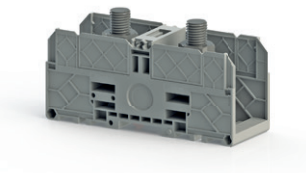
PAK 185-240
313 129 / Page: 74



PAK 185-240 KK
313 139 / Page: 74



PAK 300
313 169 / Page: 75

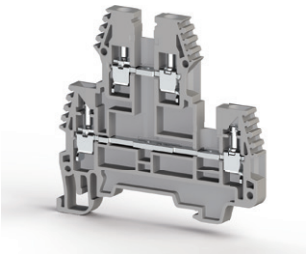


PAK 300 KK
313 179 / Page: 75



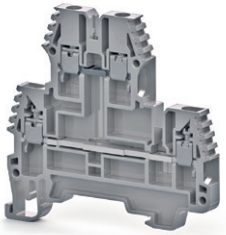
PIK 2,5 N
317 109 / Page: 78

PIK 2,5 N/NM
309 189 / Page: 166



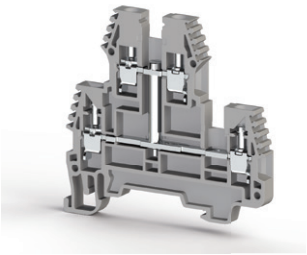
PIK 2,5 RD
325 249 / Page: 78

PIK 2,5 RD/NM
309 429 / Page: 166



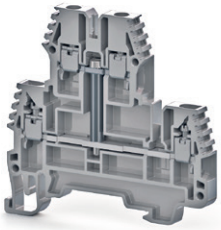
PIK 2,5 NK
317 129 / Page: 79

PIK 2,5 NK/NM
309 199 / Page: 167



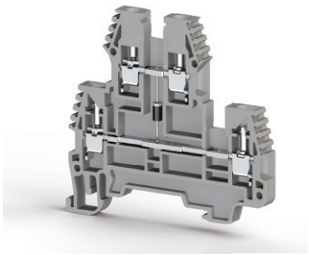
PIK 2,5 RDK
325 259 / Page: 79

PIK 2,5 RDK/NM
309 439 / Page: 167



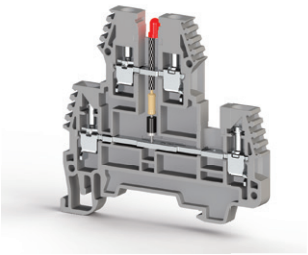
PIK 2,5 ND
317 219 / Page: 79

PIK 2,5 ND/NM
315 049 / Page: 167



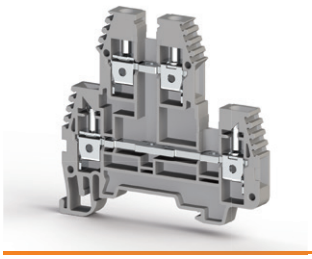
PIK 2,5 NLD
317 319 / Page: 79

PIK 2,5 NLD/NM
309 229 / Page: 167



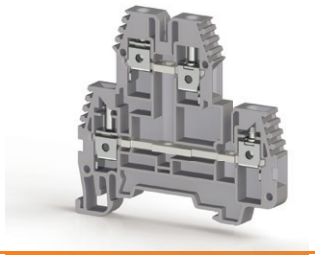
PIK 4 N
319 109 / Page: 80

PIK 4 N/NM
309 309 / Page: 168



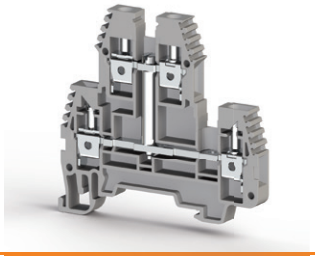
PIK 4 RD
325 349 / Page: 80

PIK 4 RD/NM
309 449 / Page: 168



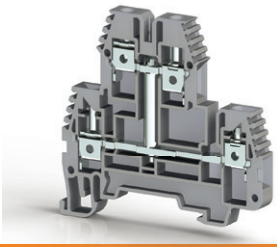
PIK 4 NK
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PIK 4 NK/NM
309 319 / Page: 169



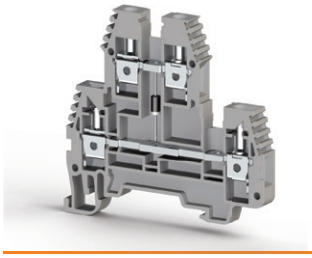
PIK 4 RDK
325 359 / Page: 81

PIK 4 RDK/NM
309 459 / Page: 169



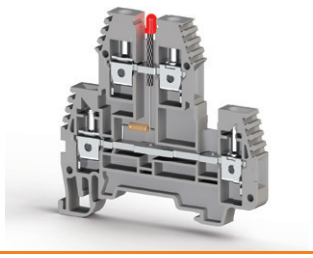
PIK 4 ND
319 219 / Page: 81

PIK 4 ND/NM
315 069 / Page: 169

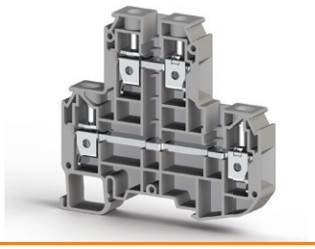


PIK 4 NLD
319 319 / Page: 81

PIK 4 NLD/NM
309 349 / Page: 169



PIK 10 N
319 909 / Page: 82



PIK 4 FS
319 809 / Page: 82



FS 4
314 009 / Page: 83

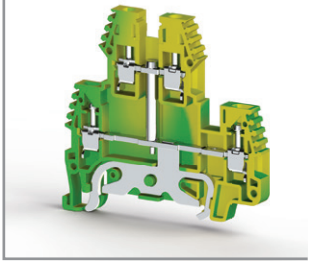


VFS 4
314 019 / Page: 83

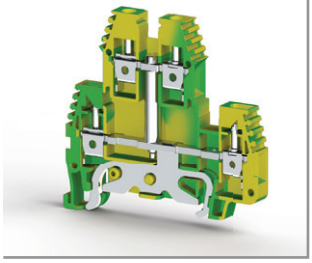


Double Deck Earth Terminals

PIK 2,5 NT
336 560 / Page: 84

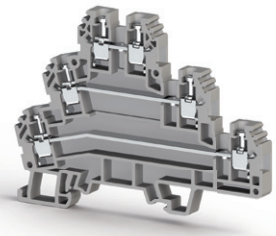


PIK 4 NT
336 570 / Page: 84

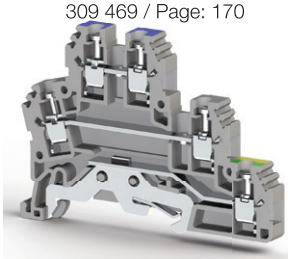


Screw Type Multilevel Terminals

PUK 3
324 109 / Page: 85
PUK 3/NM
309 479 / Page: 170



PUK 2 T
324 209 / Page: 85
PUK 2 T/NM
309 469 / Page: 170

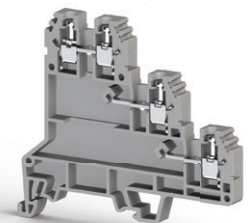


PUK 3 T
324 309 / Page: 85
PUK 3 T/NM
309 489/ Page: 171

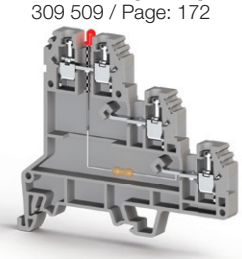


Screw Type Sensor Terminals

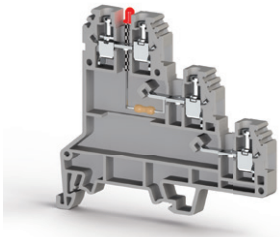
PUK 3 S
324 409 / Page: 86
PUK 3 S/NM
309 499 / Page: 172



PUK 3 SLD (NPN)
324 419 / Page: 86
PUK 3 SLD (NPN)/NM
309 509 / Page: 172

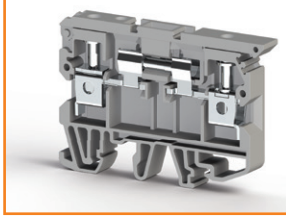


PUK 3 SLD (PNP)
324 429 / Page: 87
PUK 3 SLD (PNP)/NM
309 519 / Page: 172

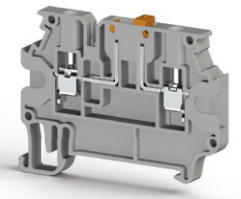


Screw Type Disconnect Terminals

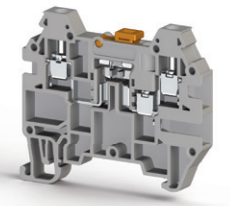
ASK 2 B
360 119 / Page: 90



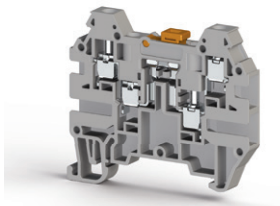
AVK 2,5 A
304 419 / Page: 90



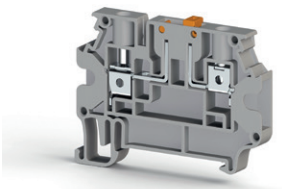
AVK 2,5 EA
324 949 / Page: 91



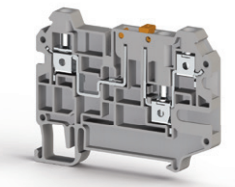
AVK 2,5 CCA
324 939 / Page: 91



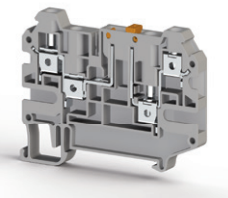
AVK 4 A
304 380 / Page: 92
AVK 4 A/NM
309 179 / Page: 160



AVK 4 CEA
325 239 / Page: 92



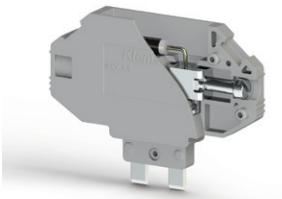
AVK 4 CCA
325 219 / Page: 93



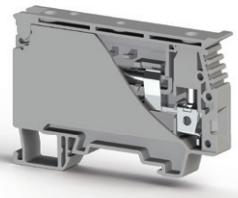
AVK AS
498 959 / Page: 93



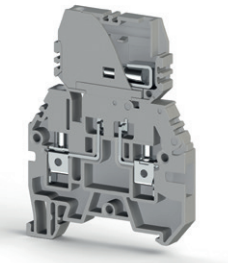
AVK ASD
499 059 / Page: 93



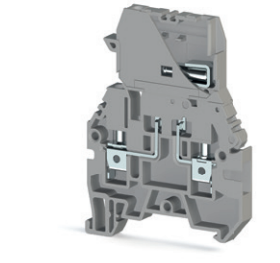
ASK 4 B
360 129 / Page: 94



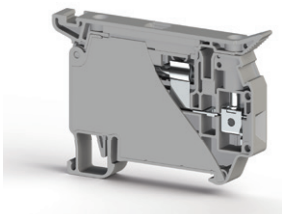
ASK 3 FB
362 009 / Page: 94



ASK 3 MB
363 009 / Page: 95

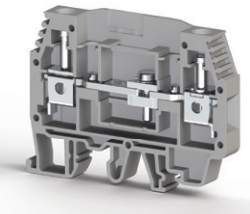


ASK 5 B
353 419 / Page: 95

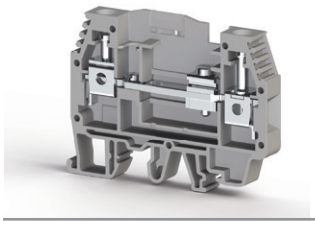


Test and Disconnect Terminals

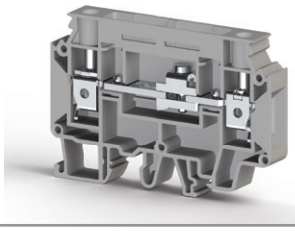
WGO 1
370 590 / Page: 96



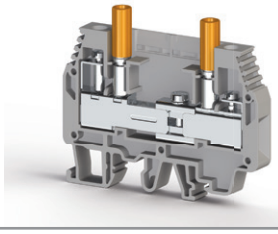
WGL 1
375 790 / Page: 96



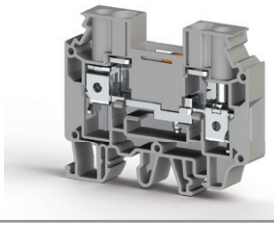
WGO 2 N
375 890 / Page: 97



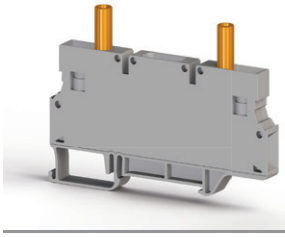
WGO 3
375 600 / Page: 97
WGO 3/NM
309 569 / Page: 174



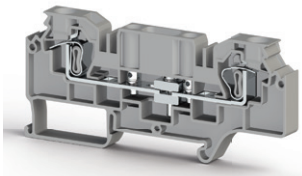
WGO 2 IR
375 909 / Page: 98



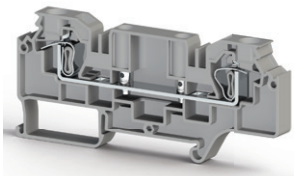
WGO 4
376 090 / Page: 98
WGO 4/NM
309 589 / Page: 170



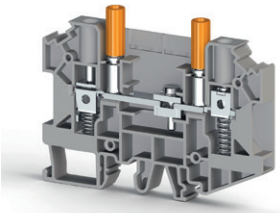
WGO 5
375 190 / Page: 99



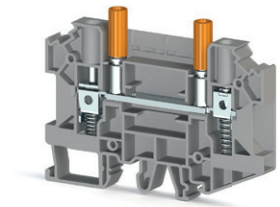
WGO D5
376 290 / Page: 99



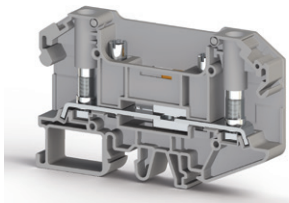
WGO Y 6
375 919 / Page: 100



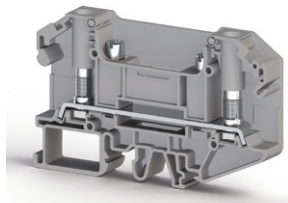
WGO YD 6
375 929 / Page: 100



WGO PB 6/NM
308 069 / Page: 101-176

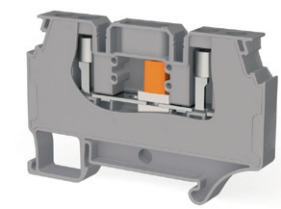


WGO PBD 6/NM
308 079 / Page: 101-176

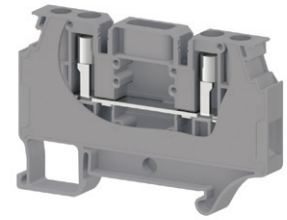


WGO 6 Series
Test and Disconnect Terminals

WGO 6/NM
308 609 / Page: 103-175

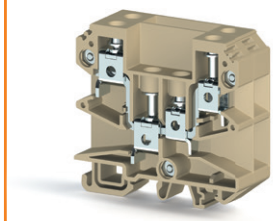


WGO D6/NM
308 619 / Page: 103-175

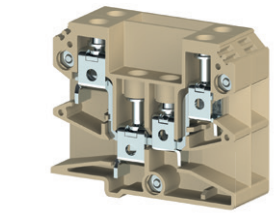


Distribution Terminals

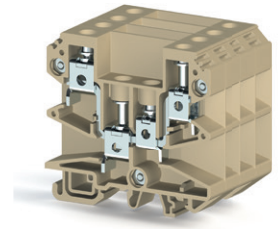
AYK 10/16
395 100 / Page: 104



AYK 10/16
395 200 / Page: 104

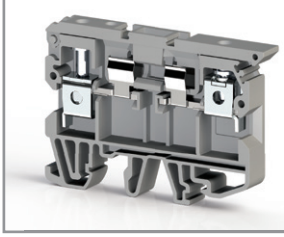


AYK 10/16-2,3,4,5
395 200 / Page: 105

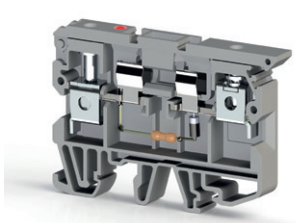


Screw Type Fuse Terminals

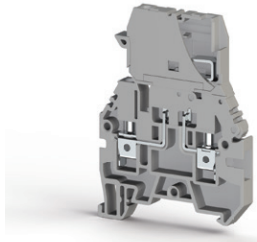
ASK 2 S
351 109 / Page: 106



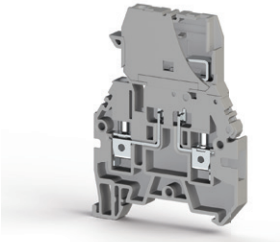
ASK 2 LD
351 219 / Page: 106



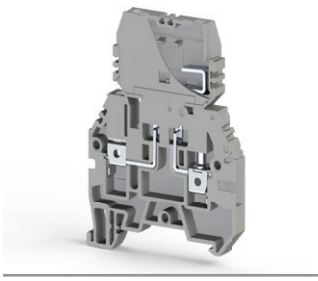
ASK 3 M
355 109 / Page: 107



ASK 3 MLD
355 219 / Page: 107



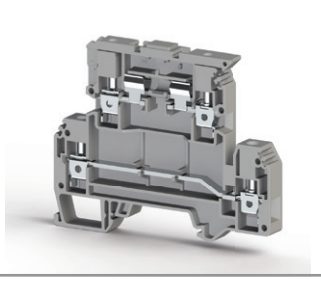
ASK 3 F
354 109 / Page: 108



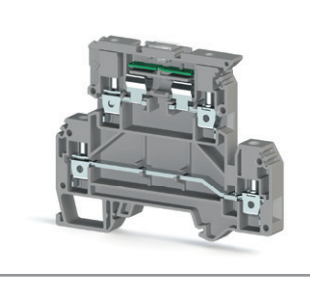
ASK 3 FLD
354 219 / Page: 108



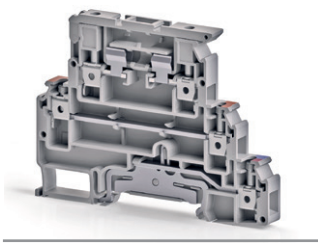
AVK 4 FS
353 309 / Page: 108



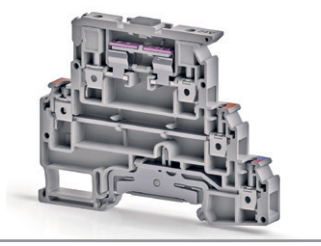
AVK 4 FSLD
353 229 / Page: 109



AVK 4 FST/NM
314 109 / Page: 109

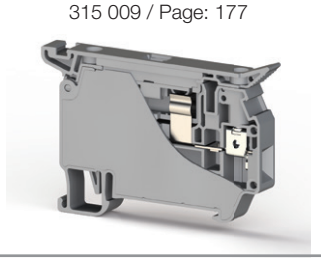


AVK 4 FSTLD/NM 24V
314 129 / Page: 109



ASK 5
353 409 / Page: 110

ASK 5/NM
315 009 / Page: 177



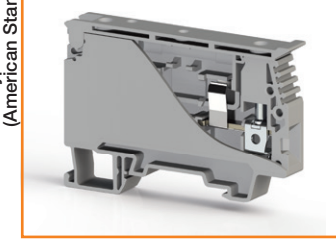
ASK 5 LD
353 429 / Page:110

ASK 5 LD/NM
315 019 / Page: 177

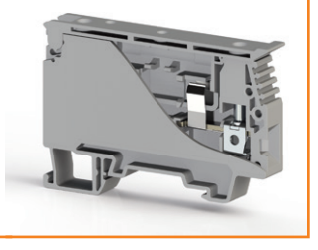


Screw Type Fuse Terminals (American Standarts)

ASK 4 S
351 129 / Page: 111

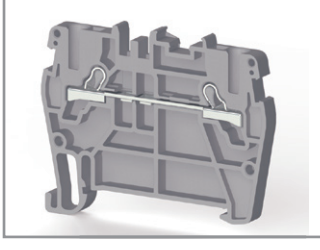


ASK 4 LD
351 719 / Page: 111

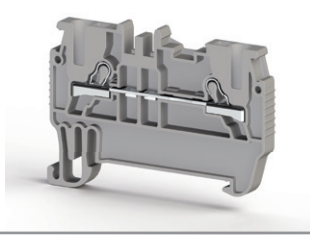


PYK Series Terminals

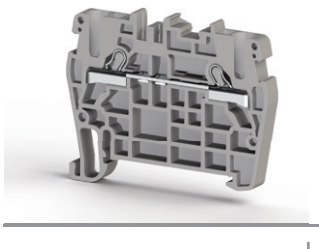
PYK 1,5
307 009 / Page: 118



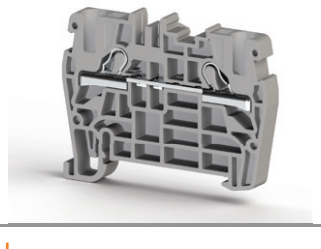
PYK 1,5 M
307 019 / Page: 118



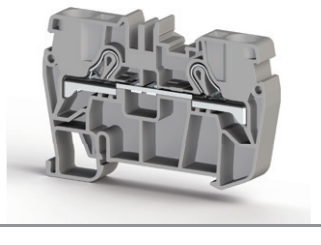
PYK 2,5
307 109 / Page: 119



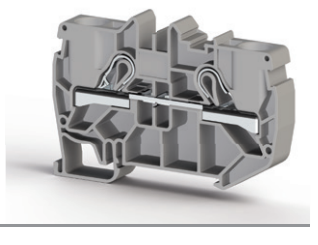
PYK 4
307 119 / Page: 119



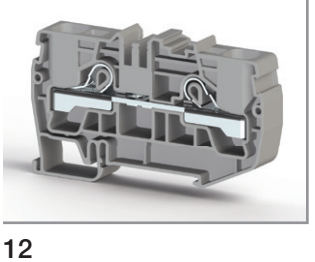
PYK 6
307 129 / Page: 119



PYK 10
307 139 / Page: 120

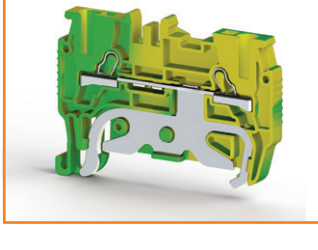


PYK 16
307 659 / Page: 120

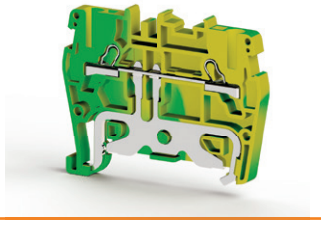


PYK Series Earth Terminals

PYK 1,5 MT
336 440 / Page: 122



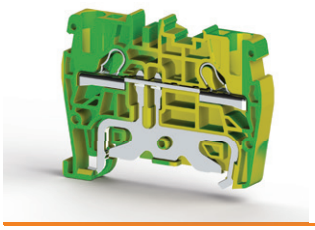
PYK 1,5 T
336 490 / Page: 122



PYK 2,5 T
336 500 / Page: 123



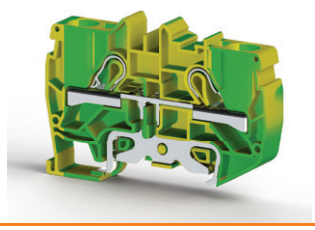
PYK 4 T
336 510 / Page: 123



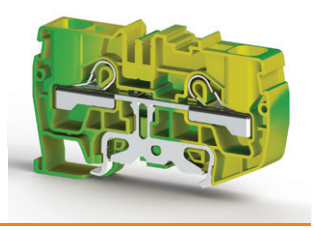
PYK 6 T
336 520 / Page: 124



PYK 10 T
336 530 / Page: 124



PYK 16 T
336 640 / Page: 125

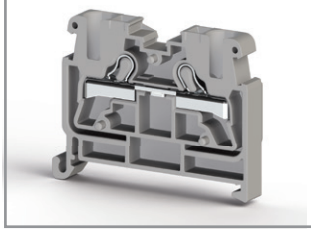


PYK Test
498 559 / Page: 125

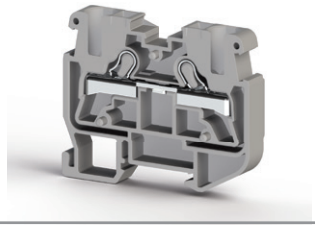


PYKMR Series Mini Terminals

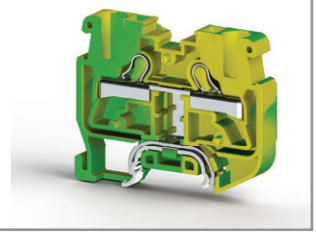
PYKMR 2,5
307 499 / Page: 126



PYKM 2,5
307 399 / Page: 126

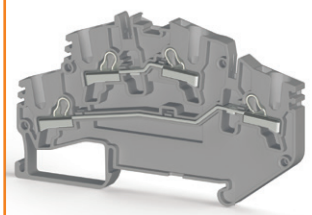


PYKM 2,5 T
336 430 / Page: 127

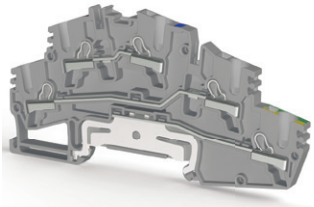


PYK Series Double - Deck and Multilevel Terminals

PYK 2,5 - M2F
307 699 / Page: 130



PYK 2,5 - M2FT
307 709 / Page: 130



PYK 4 - 2 FN
307 579 / Page: 131



PYK 2,5 - 2 F
307 179 / Page: 131



PYK 2,5 - 2 FK
307 239 / Page: 131



PYK 2,5 - 2 FLD
307 349 / Page: 132



PYK 2,5 - 2 FD A
307 369 / Page: 132



PYK 2,5 - 2 FD B
307 379 / Page: 133



PYK 2,5 - 3 F
307 199 / Page: 134



PYK 2,5 - 3 FK
307 559 / Page: 134



PYK 2,5 - 2 FT
307 189 / Page: 135



PYK 2,5 - 3 FT
307 209 / Page: 135

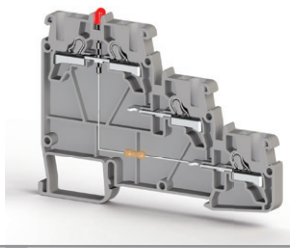


PYK Series Sensor Terminals

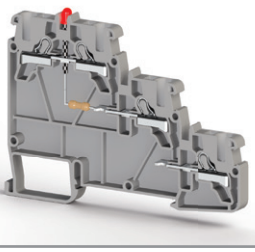
PYK 3 S
307 409 / Page: 138



PYK 3 SLD (NPN)
307 419 / Page: 138

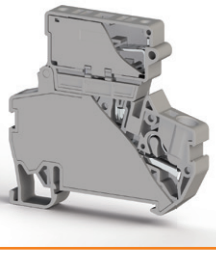


PYK 3 SLD (PNP)
307 429 / Page: 139

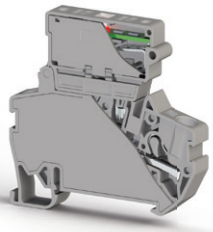


PYK Series Fuse and Disconnect Terminals

PYK 4 S
307 249 / Page: 140

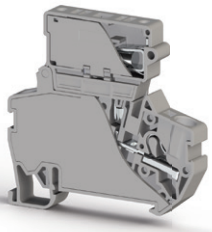


PYK 4 SLD
307 259 / Page: 140



PYK Series Fuse and Disconnect Terminals (American Standard)

PYK 4 I
307 319 / Page: 141

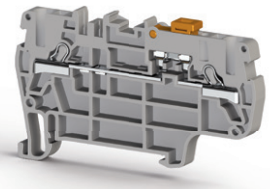


PYK 4 ILD
307 329 / Page: 141

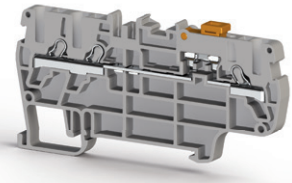


PYK Series Disconnect Terminals

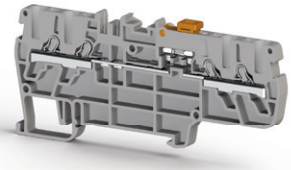
PYK 2,5 A
307 169 / Page: 142



PYK 2,5 EA
307 459 / Page: 142

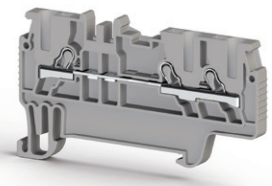


PYK 2,5 CCA
307 219 / Page: 142

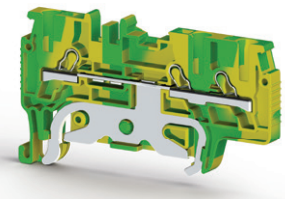


PYK Series Multiple Input/Output Terminals

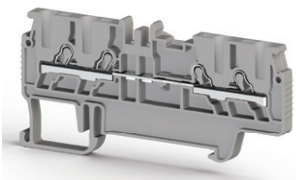
PYK 1,5 ME
307 039 / Page: 144



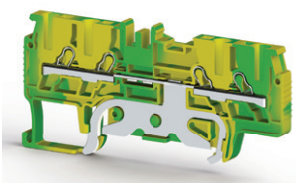
PYK 1,5 MET
336 460 / Page: 144



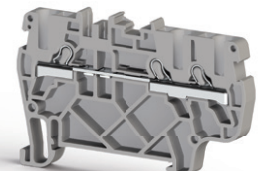
PYK 1,5 MC
307 029 / Page: 145



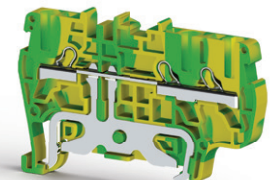
PYK 1,5 MCT
336 450 / Page: 145



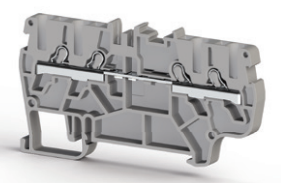
PYK 2,5 E
307 439 / Page: 146



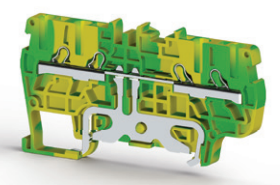
PYK 2,5 ET
336 550 / Page: 146



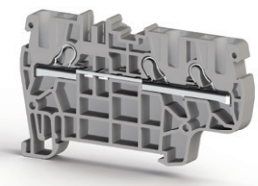
PYK 2,5 C
307 389 / Page: 147



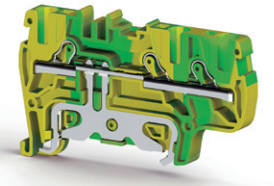
PYK 2,5 CT
336 540 / Page: 147



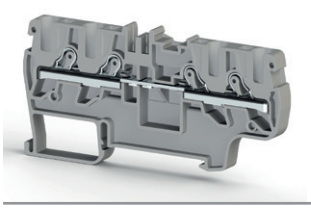
PYK 4 E
307 229 / Page: 147



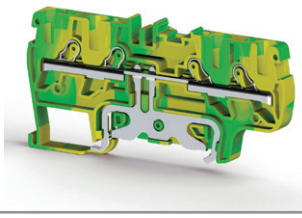
PYK 4 ET
336 600 / Page: 148



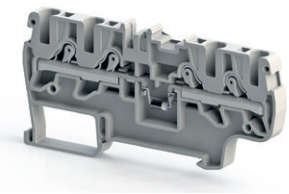
PYK 4 C
307 669 / Page: 148



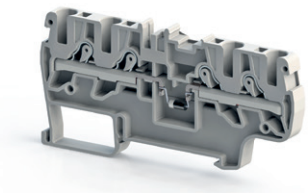
PYK 4 CT
336 610 / Page: 149



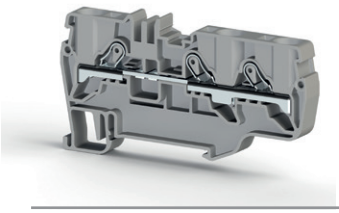
PYK 4 CD-A
336 610 / Page: 149



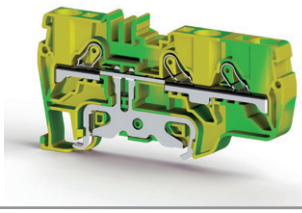
PYK 4 CD-B
336 610 / Page: 149



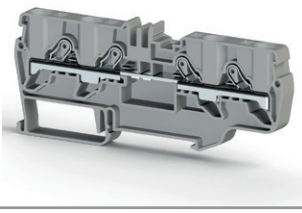
PYK 6 E
307 639 / Page: 150



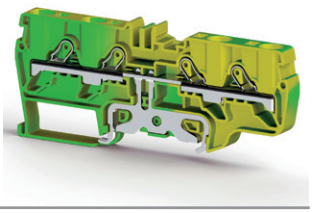
PYK 6 ET
336 620 / Page: 150



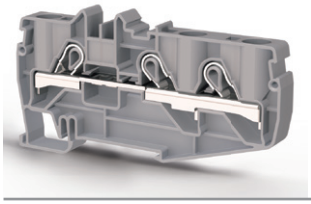
PYK 6 C
307 649 / Page: 151



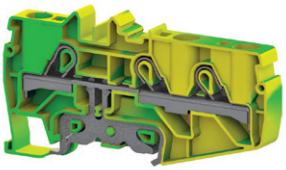
PYK 6 CT
336 630 / Page: 151



PYK 10 E
307 149 / Page: 151



PYK 10 ET
336 650 / Page: 151

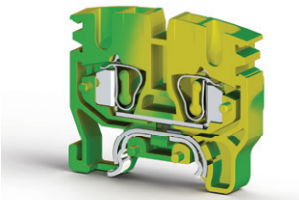


MYK Series Mini Terminals

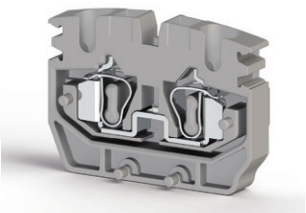
MYK 2,5
306 429 / Page: 153



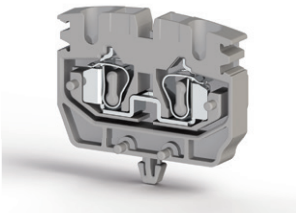
MYK 2,5 T
336 420 / Page: 153



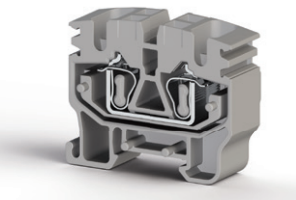
MYPK 2,5
306 439 / Page: 154



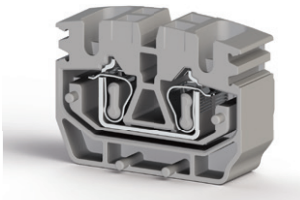
MYSK 2,5
306 449 / Page: 154



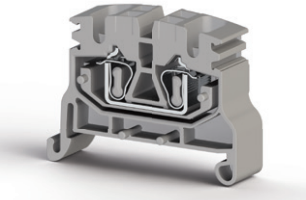
MYK 2,5 C
306 479 / Page: 155



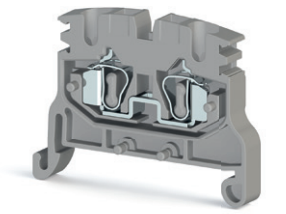
MYPK 2,5 C
306 489 / Page: 155



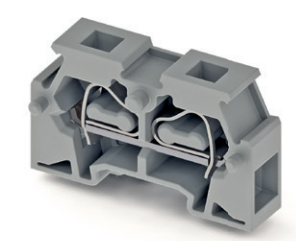
MYKR 2,5 C
306 499 / Page: 153



MYKR 2,5
306 509 / Page: 153

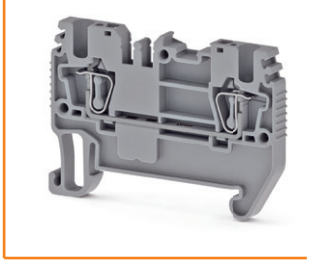


MPK 2,5
306 519 / Page: 153

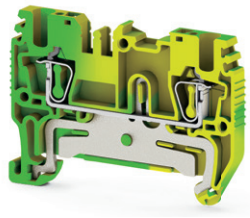


SRD Series Terminals

SRD 1,5
311 009 / Page: 184



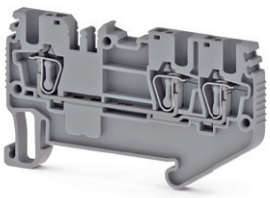
SRD 1,5 T
337 080 / Page: 185



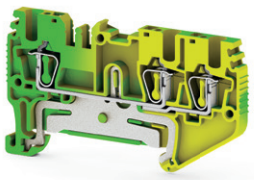
TST 1,5
499 659 / Page: 185



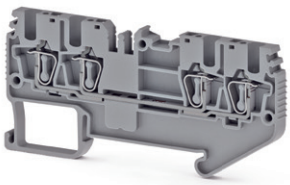
SRD 1,5 E
311 019 / Page: 185



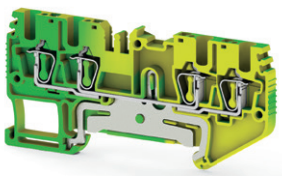
SRD 1,5 ET
337 090 / Page: 185



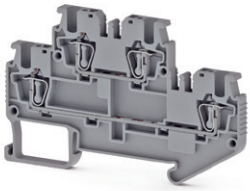
SRD 1,5 C
311 029 / Page: 186



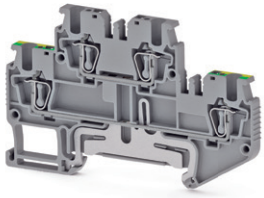
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337 100 / Page: 186



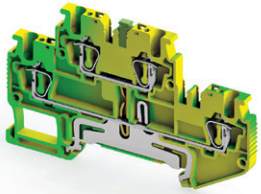
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311 049 / Page: 187



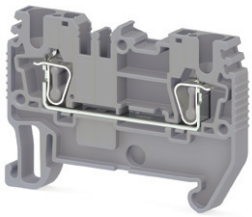
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311 039 / Page: 187



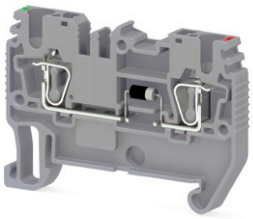
SRD 1,5 2T
337 110 / Page: 187



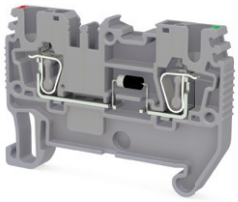
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311 059 / Page: 188



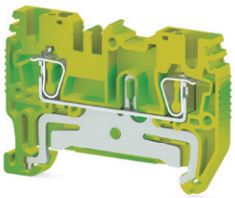
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311 069 / Page: 188



SRD 2,5 D-B
311 09 / Page: 189



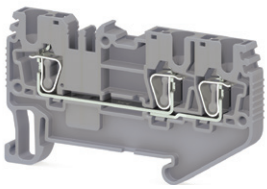
SRD 2,5 T
337 120 / Page: 189



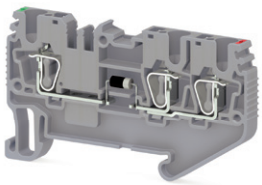
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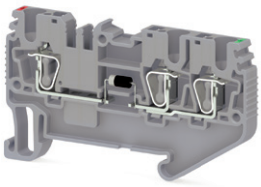
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311 089 / Page: 190



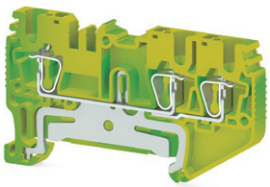
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311 099 / Page: 190



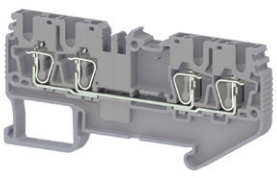
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311 109 / Page: 191



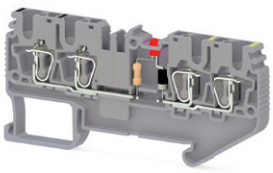
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337 130 / Page: 191



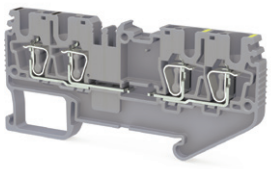
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311 119 / Page: 192



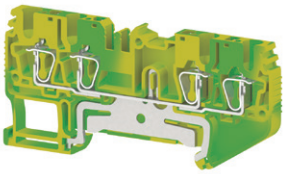
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311 169 / Page: 192



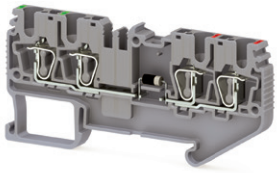
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311 149 / Page: 193



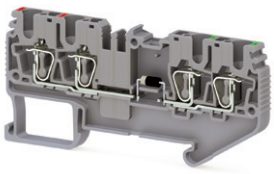
SRD 2,5 CT
337 140 / Page: 193



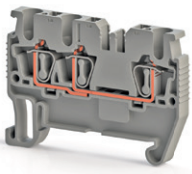
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337 140 / Page: 193



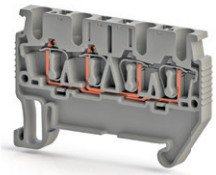
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337 140 / Page: 193



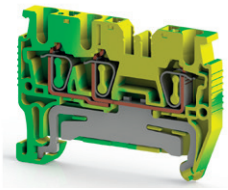
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312 329 / Page: 194



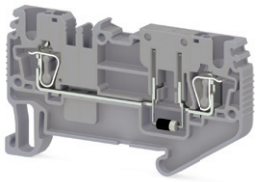
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312 339 / Page: 194



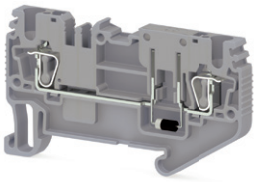
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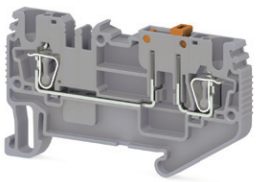
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311 249 / Page: 196



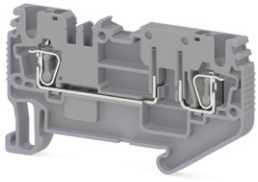
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311 259 / Page: 196



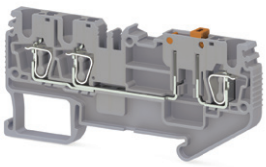
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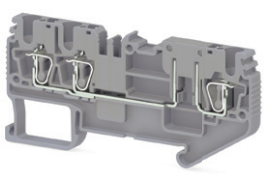
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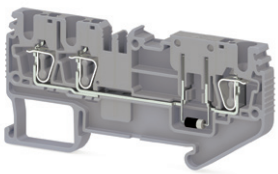
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311 279 / Page: 198



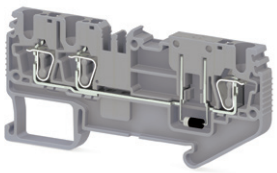
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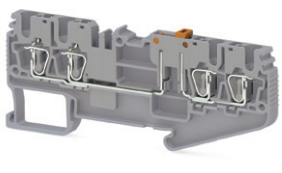
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311 289 / Page: 199



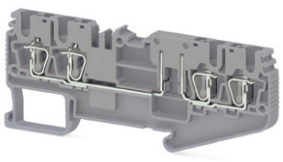
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311 299 / Page: 199



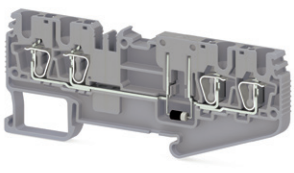
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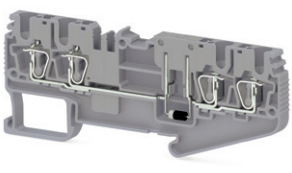
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311 349 / Page: 200



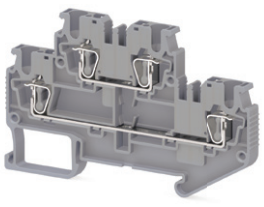
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311 329 / Page: 201



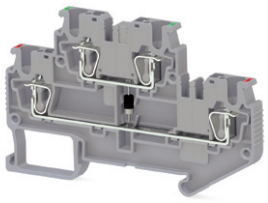
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311 339 / Page: 201



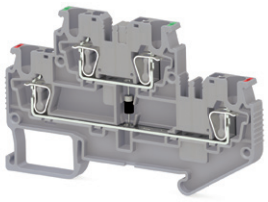
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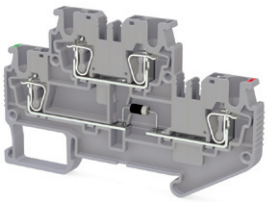
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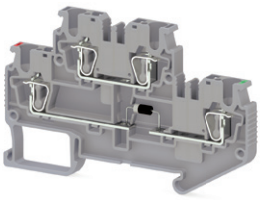
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311 379 / Page: 203



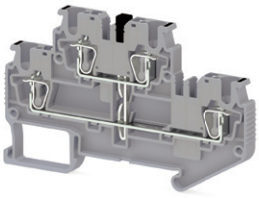
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311 499 / Page: 203



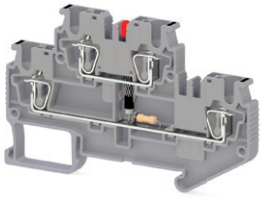
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311 389 / Page: 203



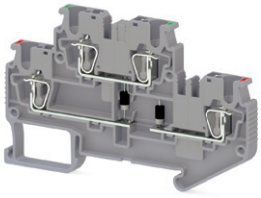
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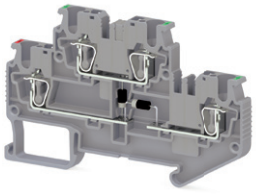
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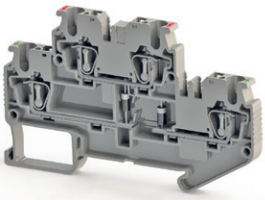
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311 479 / Page: 205



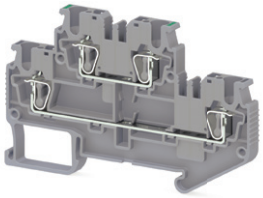
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311 489 / Page: 205



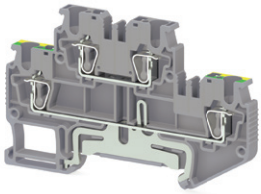
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311 489 / Page: 205



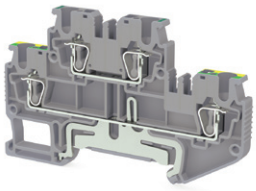
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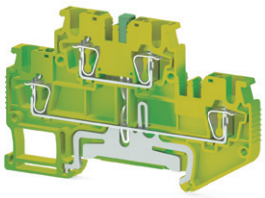
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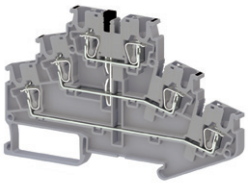
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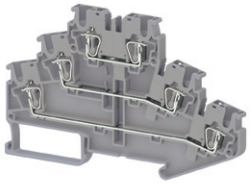
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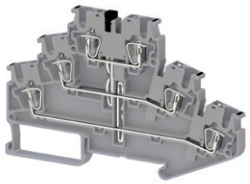
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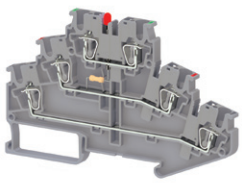
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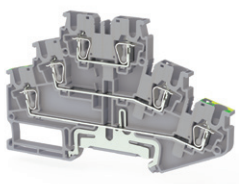
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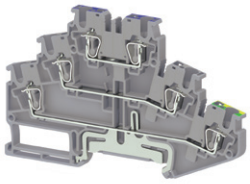
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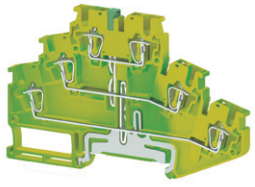
SRD 2,5-2FT
311 619 / Page: 210



SRD 2,5-NFT
311 669 / Page: 210



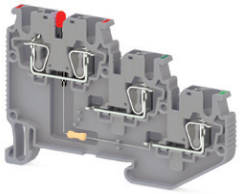
SRD 2,5-3T
337 160 / Page: 211



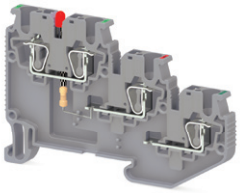
SRD2,5- 3S
311 629 / Page: 212



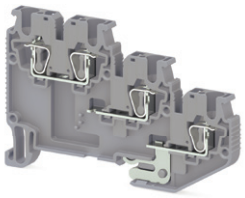
SRD 2,5-3SLD-NPN
311 639 / Page: 212



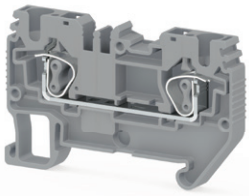
SRD 2,5-3SLD-PNP
311 649 / Page: 213



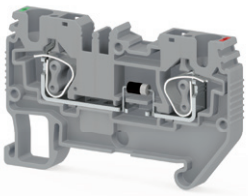
SRD 2,5-2ST
311 659 / Page: 213



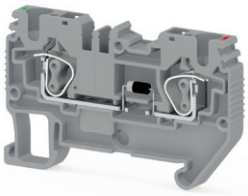
SRD 4
311 679 / Page: 214



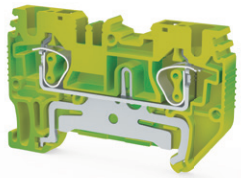
SRD 4 D-A
311 689 / Page: 214



SRD 4 D-B
311 699 / Page: 215



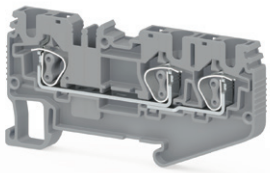
SRD 4 T
337 170 / Page: 215



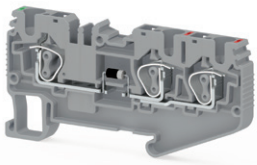
TST 4
499 859 / Page: 215



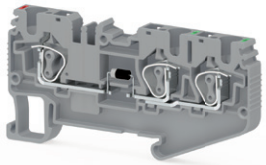
SRD 4 E
311 709 / Page: 216



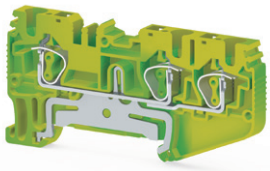
SRD 4 ED-A
311 719 / Page: 216



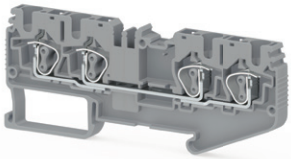
SRD 4 ED-B
311 729 / Page: 217



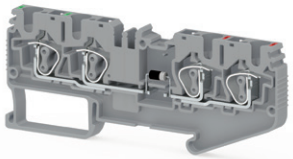
SRD 4 ET
337 180 / Page: 217



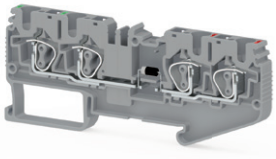
SRD 4 C
311 739 / Page: 218



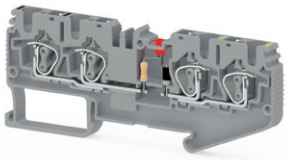
SRD 4 CD-A
311 749 / Page: 218



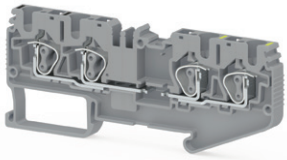
SRD 4 CD-B
311 759 / Page: 219



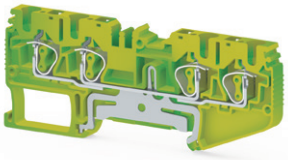
SRD 4 CLD 24VAC
311 789 / Page: 220



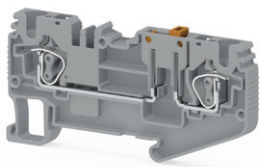
SRD 4 Cx2
311 769 / Page: 221



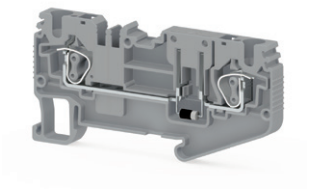
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337 190 / Page: 221



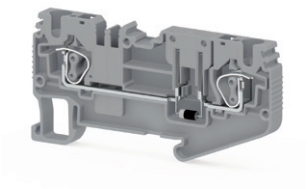
SRD 4 A
311 869 / Page: 222



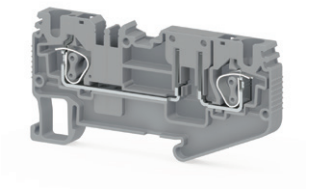
SRD 4 AD-A
311 879 / Page: 222



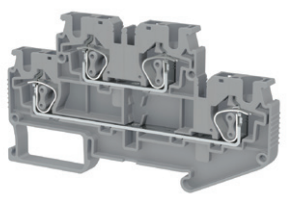
SRD 4 AD-B
311 889 / Page: 223



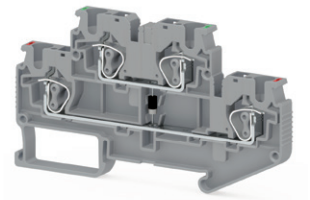
SRD 4 AK
311 899 / Page: 223



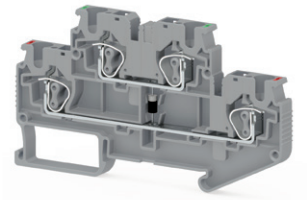
SRD 4-2F
311 909 / Page: 224



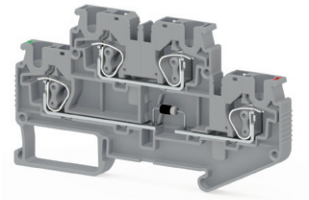
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311 919 / Page: 224



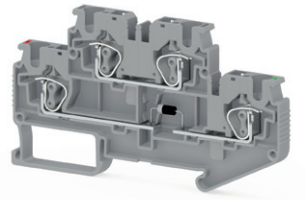
SRD 4-2FD-B
311 929 / Page: 225



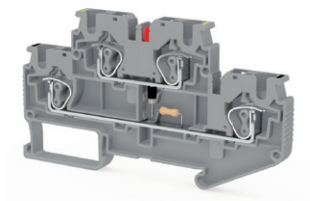
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312 049 / Page: 225



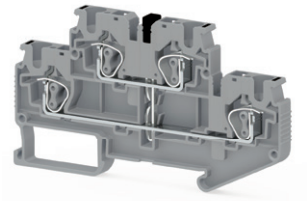
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311 939 / Page: 225



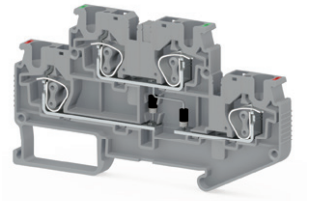
SRD 4-2FLD 24VAC
311 959 / Page: 226



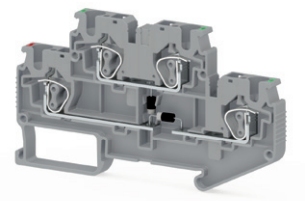
SRD 4-2FK
312 069 / Page: 226



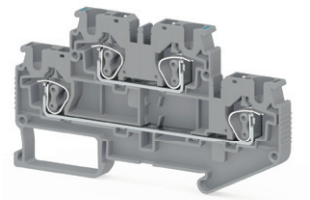
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312 029 / Page: 227



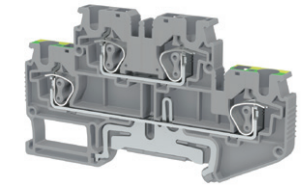
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312 039 / Page: 227



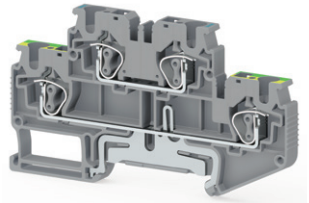
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312 059 / Page: 228



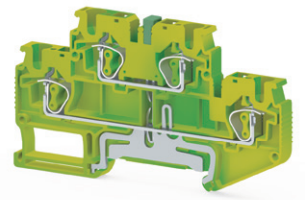
SRD 4-FT
312 079 / Page: 228



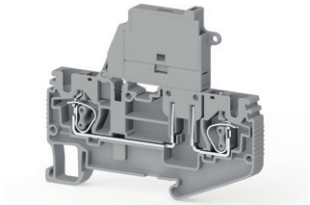
SRD 4-NT
312 089 / Page: 229



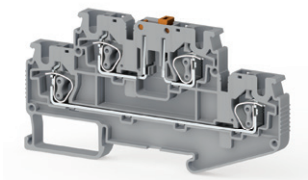
SRD 4-2T
337 150 / Page: 229



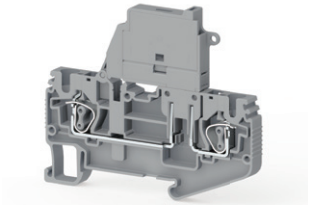
SRD 4S
312 119 / Page: 230



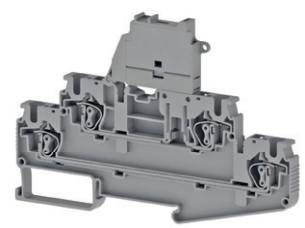
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312 099 / Page: 230



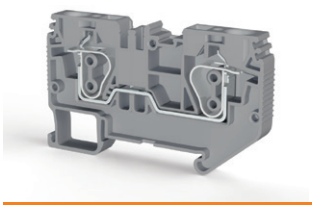
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312 139 / Page: 231



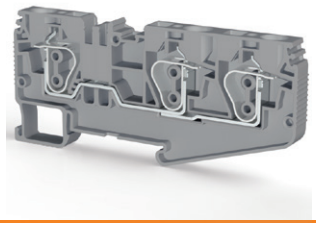
SRD 4 FS
312 259 / Page: 231



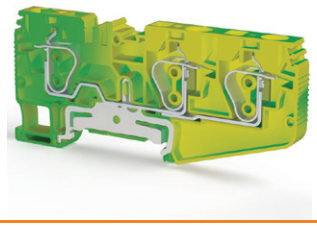
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312 199 / Page: 232



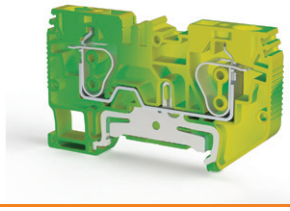
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312 209 / Page: 232



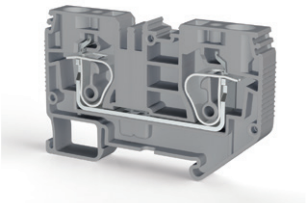
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337 220 / Page: 233



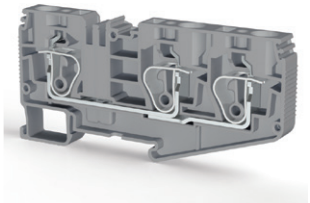
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337 210 / Page: 233



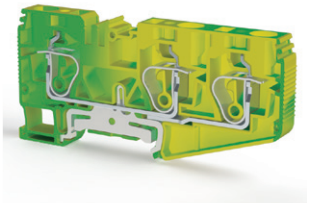
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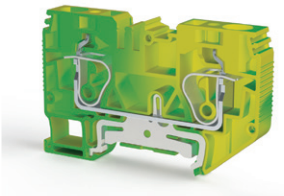
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312 220 / Page: 234



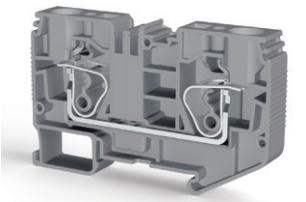
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337 240 / Page: 235



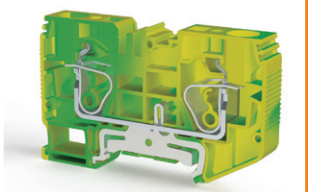
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337 230 / Page: 235



SRD 16
312 239 / Page: 236

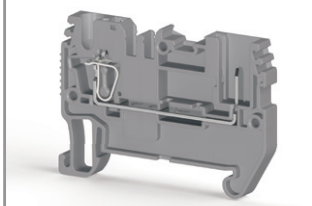


SRD 16 T
337 250 / Page: 236

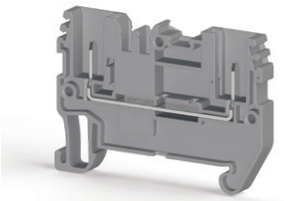


StoP Series Terminals

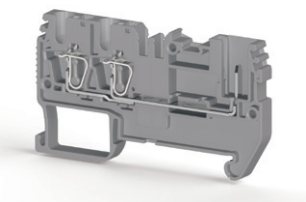
CTP 2.5
310 129 / Page: 240



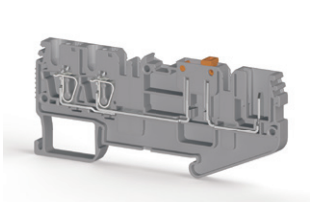
PTP 2.5
310 109 / Page: 240



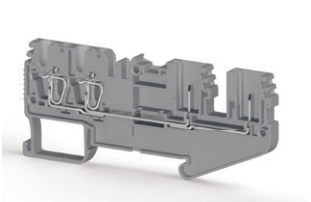
CTP 2.5 E
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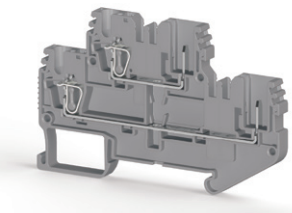
CTP 2.5 EA
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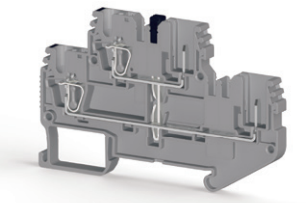
CTP 2.5 C
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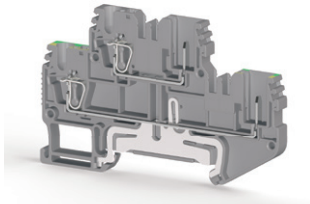
CTP 2.5-2F
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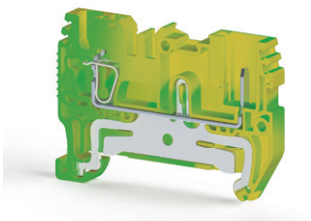
CTP 2.5-2FK
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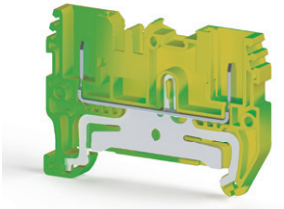
CTP 2.5-FT
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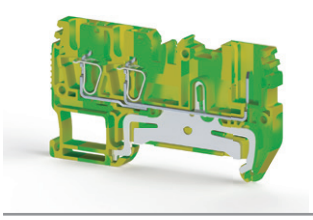
CTP 2.5 T
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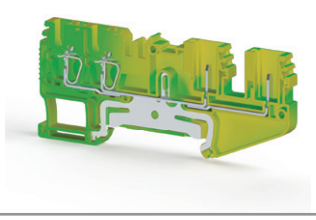
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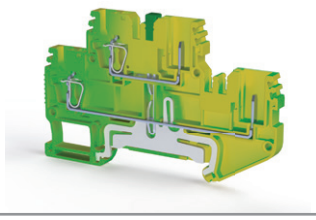
CTP 2.5 ET
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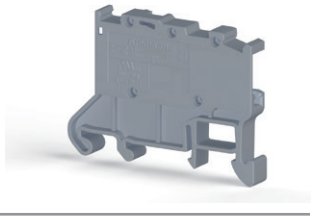
CTP 2.5 CT
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CTP 2.5 2T
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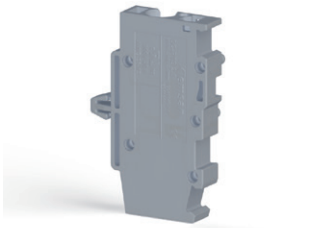
SC-PTR 2.5
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SC-PT 2.5
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SC-PTS 2.5
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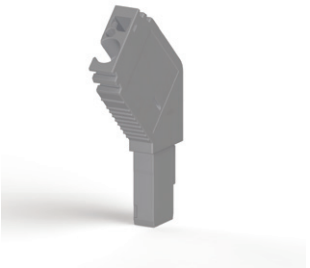
SG-PT 2.5
310 209...379 / Page: 246



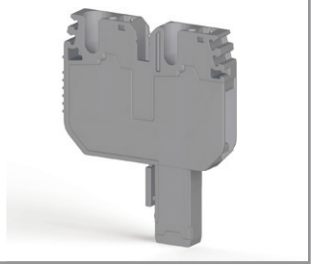
SG-PT 2.5 CS
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SG-PT 2.5 AN
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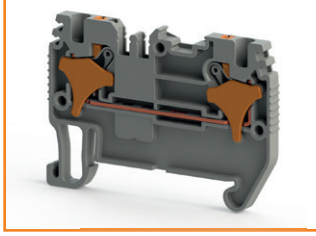


SG-PT 2.5 DB
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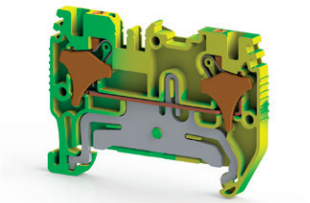


PRD Series Terminals

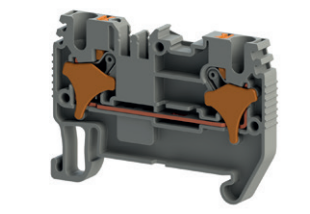
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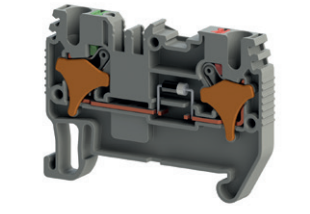
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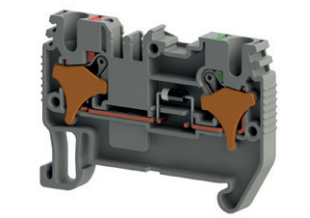
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328 059...050 / Page: 254



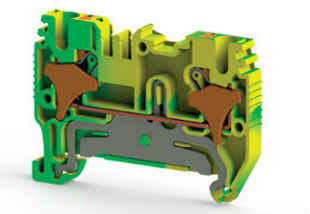
PRD 2,5 D-A
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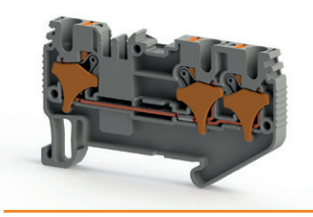
PRD 2,5 D-B
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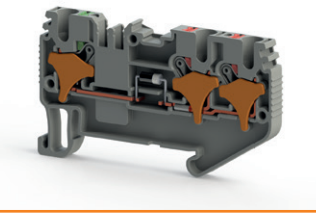
PRD 2,5 T
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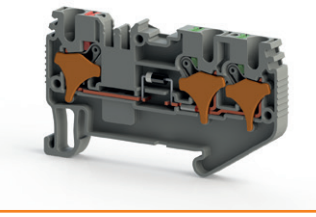
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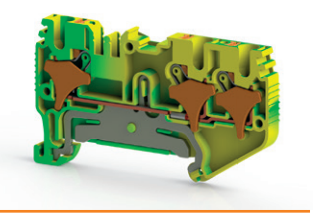
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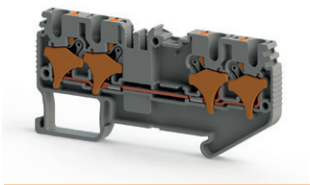
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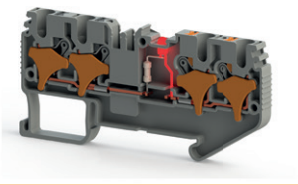
PRD 2,5 ET
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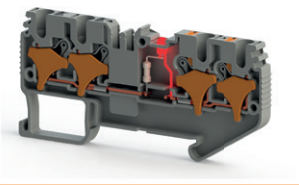
PRD 2,5 C
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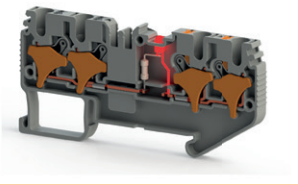
PRD 2,5 CLD-24V AC/DC
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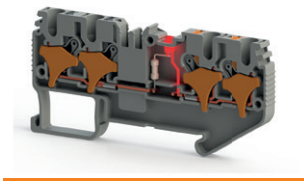
PRD 2,5 CLD-48V AC/ DC
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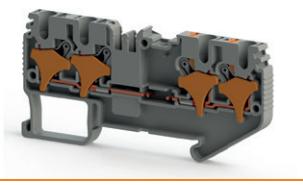
RD 2,5 CLD-110V AC/DC
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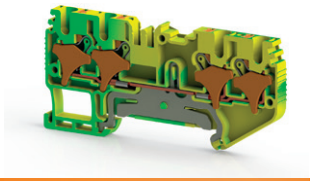
PRD 2,5 CLD-220V AC/DC
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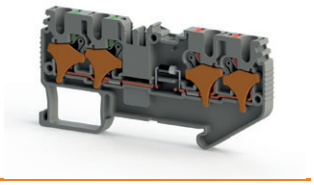
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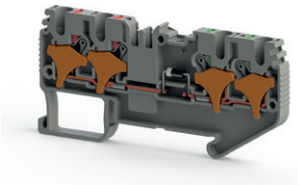
PRD 2,5 CT
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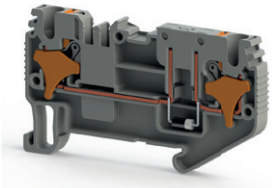
PRD 2,5 CD-A
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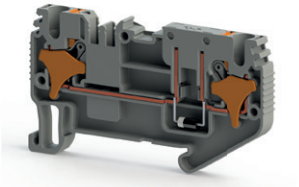
PRD 2,5 CD-B
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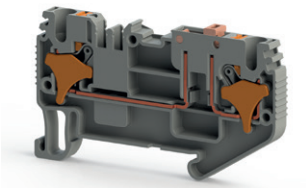
PRD 2,5 AD-A
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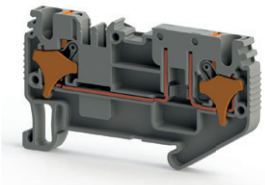
PRD 2,5 AD-B
328 259...250 / Page: 262



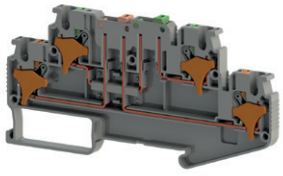
PRD 2,5 A
328 239...230 / Page: 263



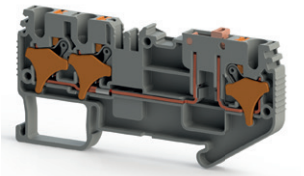
PRD 2,5 AK
328 269...260 / Page: 263



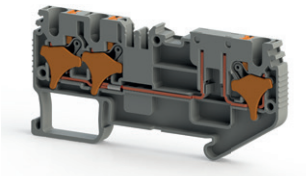
PRD 2,5 AA
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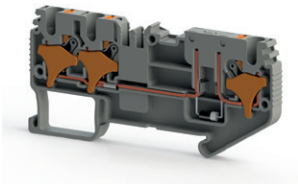
PRD 2,5 EA
328 279...270 / Page: 264



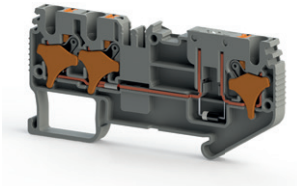
PRD 2,5 EAK
328 309...300 / Page: 264



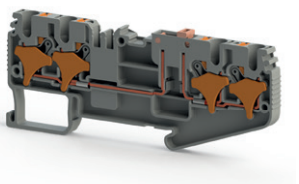
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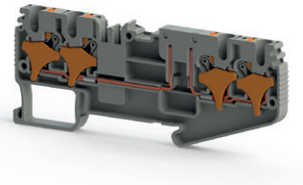
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328 299...290 / Page: 265



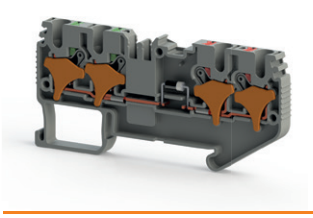
PRD 2,5 CA
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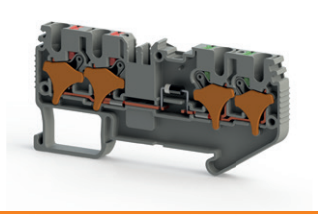
PRD 2,5 CAK
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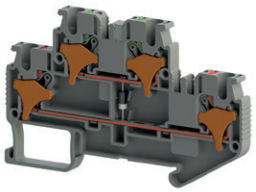
PRD 2,5 CAD-B
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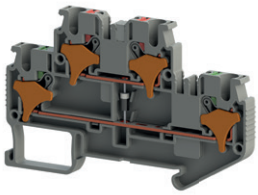
PRD 2,5-2F
328 359...350...351 / Page: 268



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328 379...370 / Page: 269



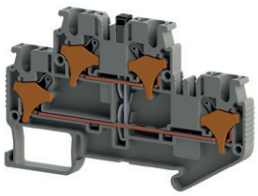
PRD 2,5-2FD-L
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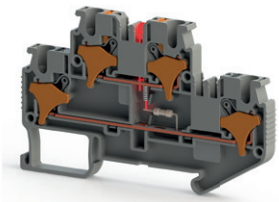
PRD 2,5-2FD-R
328 389...380 / Page: 269



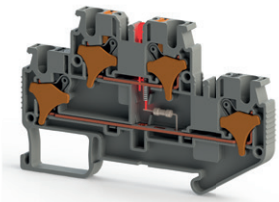
PRD 2,5-2FK
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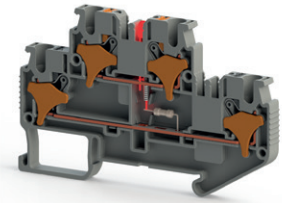
PRD 2,5-2FLD-24V AC/DC
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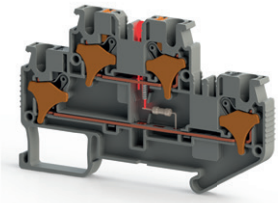
PRD 2,5-2FLD-48V AC/DC
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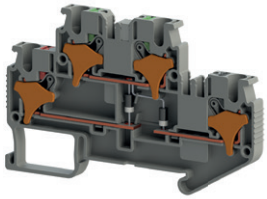
PRD 2,5-2FLD-110V AC/DC
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PRD 2,5-2FLD-220V AC/DC
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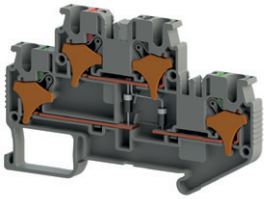
PRD 2,5-F2D-A
328 489...480 / Page: 272



PRD 2,5-F2D-B
328 499...490 / Page: 272



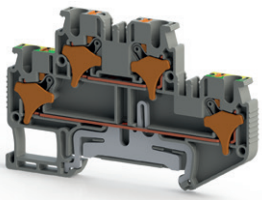
PRD 2,5-F2D-C
328 509...500 / Page: 273



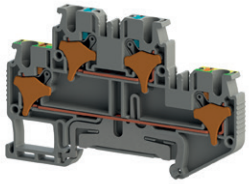
PRD 2,5-FN
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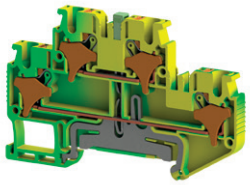
PRD 2,5-FT
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PRD 2,5-NT
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PRD 2,5-2T
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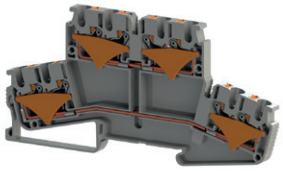
PRD 2,5-M2F
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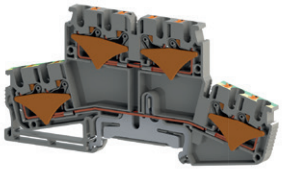
PRD 2,5-M2FT
328 759 / Page: 276



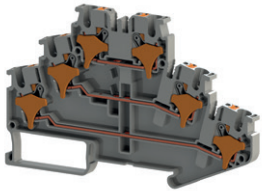
PRD 2,5-2FC
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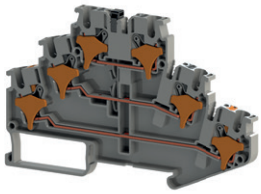
PRD 2,5-2FCT
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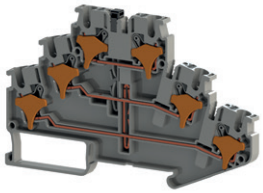
PRD 2,5-3F
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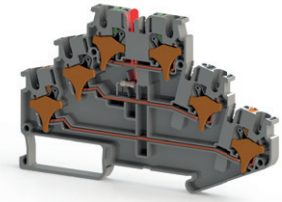
PRD 2,5-2KF
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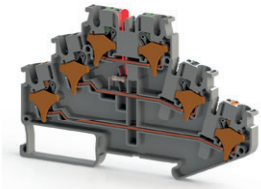
PRD 2,5-3FLD-24V AC/DC
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PRD 2,5-3FLD-48V AC/DC
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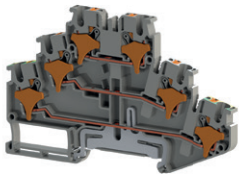
PRD 2,5-3FLD-110V AC/DC
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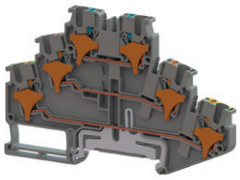
PRD 2,5-3FLD-220V AC/DC
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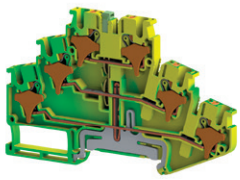
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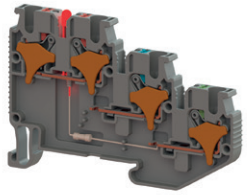
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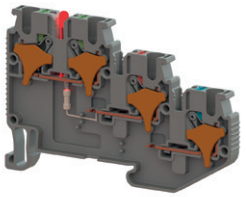
PRD 2,5-3S
328 629...620 / Page: 284



PRD 2,5-3SLD-NPN
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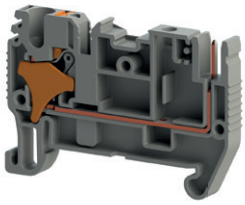
PRD 2,5-3SLD-PNP
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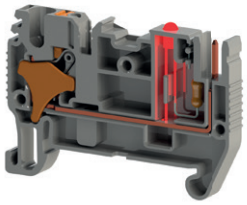
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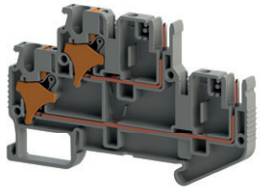
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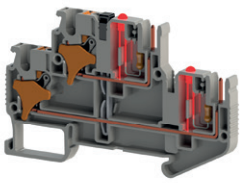
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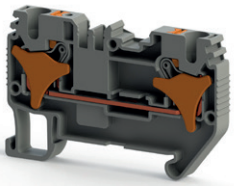
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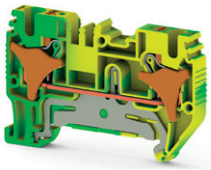
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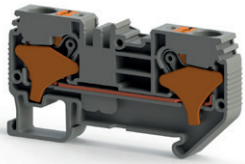
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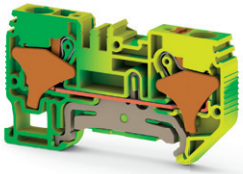
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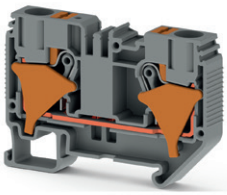
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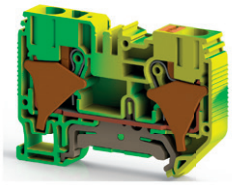
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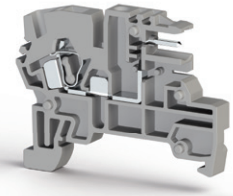


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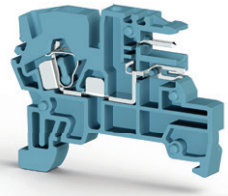


Terminal Blocks for PCB Connectors

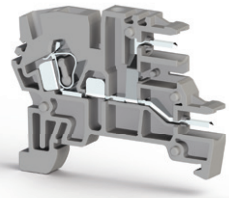
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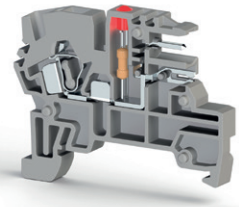
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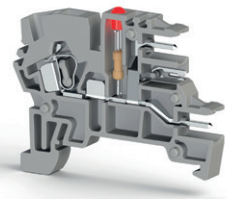
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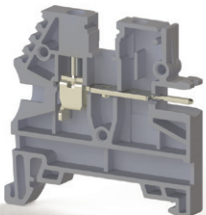


PCY 2,5 EL
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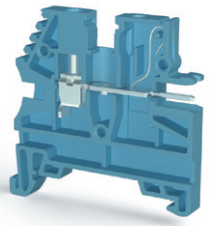


Screw Type Terminal Blocks for PCB Terminals

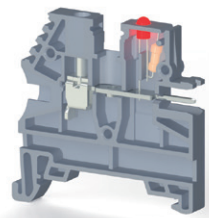
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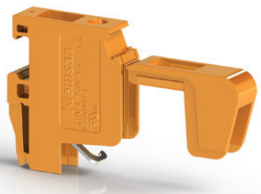


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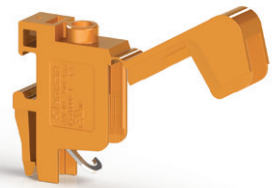


Transformer Terminals Blocks

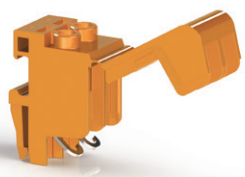
TRV 4
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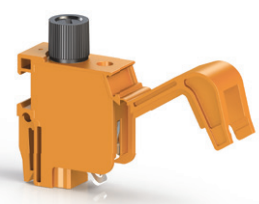
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TRV 4 M
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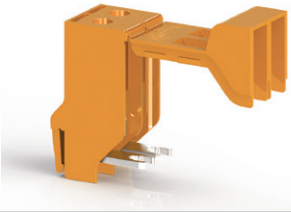


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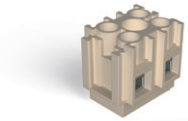


Terminals Strips

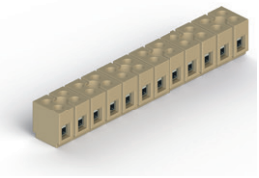
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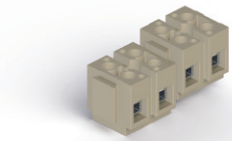
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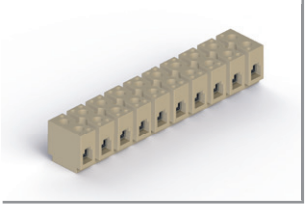


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Junction Box Terminals

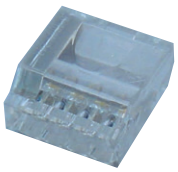
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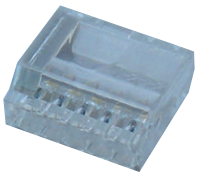
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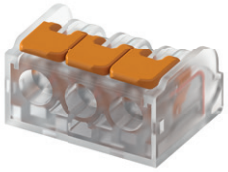
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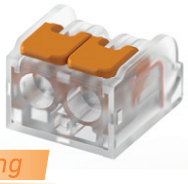
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CRIMPER IT 6 S
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STRIPPER 28 C
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CUTTER 16
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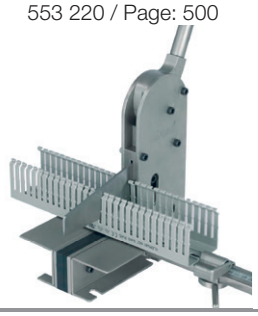
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KK1 2
561 110...120 / Page: 500



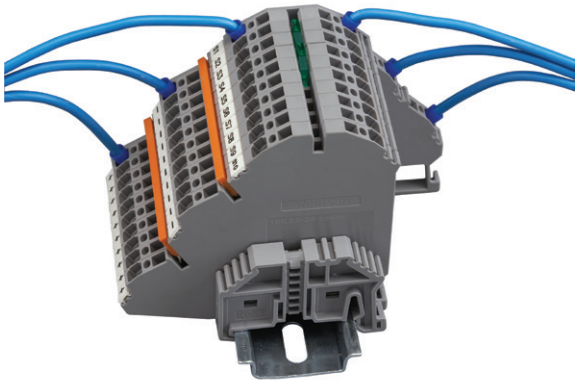

Klemsan
50th
ANNIVERSARY

Terminal Blocks

Terminal blocks are components and systems the main function of which is to ensure safe and secure electrical and mechanical conductor connections. The term covers all conceivable types, designs and forms of connection. From the application point of view, the most important group of terminals is that of rail mounted modular terminal blocks.

- The current carrying bar must be made of metals which reduce electrical losses to minimum.
- Insulation material must be nonflammable and self extinguishing.
- The screw must not be loosed due to vibration.
- The current carrying bar must have such a form that the conductor has a strong contact area in the connection point.

The terminal block series should have a complete range together with all the accessories to provide the best solutions in an ideal area.

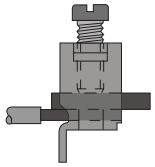


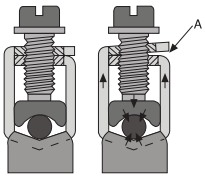
Connection Systems

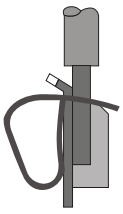
SCREW CONNECTION

This is the most popular of all known methods of connection. Screw connection refers to any connection in which the conductor is stripped of its insulation and clamped without any special preparation. Klemsan screw clamp system is built in protection against loosening.

When the screw is tightened, the resultant pressure pulls apart both halves of the clamping yoke. This generates a particularly high locking action on the screw. These clamping systems provide excellent vibration resistance.

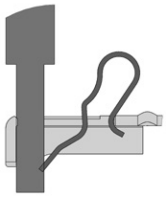






SPRING CLAMP SYSTEM

The stainless steel spring presses the conductor directly against the current bar. Due to the special construction of the clamping body, the contact force is further increased when pulling the conductor.



PRACTICAL SPRING CLAMP SYSTEM

In addition to spring clamp system, with practical technology, there is no need to use a screwdriver, cable is connected to the terminal by just pushing in.

Materials

KLEMSAN terminals are made of selected standard materials. Insulating materials, clamping and conducting metals are subjected to strict quality control as required by stringent international standards.

Clamping yokes and screws are zinc plated which considerably increases the resistance to corrosion. Current bars are made out of brass / electrolytic copper. Coating of tin / lead oxide, nickel while ensuring surface protection guarantees very low contact resistance.

Engineering thermoplastic Polyamide 6.6 has excellent electrical, mechanical and chemical characteristics even at temperatures as high as 100 ˚C and contain no cadmium based color pigments. Polyamide 6.6 moulded housing absorbs humidity from its surroundings. This makes the plastic material elastic and fracture proof even at temperatures as low as -40 ˚C. Being a self extinguishing material it is difficult to ignite and burns only as long as there is a longlasting supporting flame. It is rated V0 or V2 according to UL94. Good aging resistance and insensitivity to ultraviolet light makes it suitable for tropical and open air applications.

Main Terminology

Modular Terminal Blocks: Modular terminal blocks are used worldwide. Whether they be in distribution boards, control centers or machine control systems, in ships, power stations or railway rolling stock, Klemsan terminals guarantee safe connections in all low voltage installations. In view of this versatile and worldwide application, the materials used and the technical data achieved meet the highest quality standard. Approvals have been obtained from all major industrial countries.

Rated Cross-Sec.: The rated Cross-Sec. of a terminal block is a value of conductor Cross-Sec. which is indicated by the manufacturer and covered by the thermal, mechanical and electrical requirements.

Rated Current: The rated current of a terminal block is a current value which is indicated by the manufacturer and covered the thermal, mechanical and electrical requirements on using the rated Cross-Sec..

The Rated Voltage: The rated voltage of a terminal block is a voltage value which is stated by the manufacturer according to creepage and clearance distances and which does not allow any deformation on product.

Nominal Dimensions: Nominal dimensions are the overall dimensions of the terminal block with fixings, but without tolerances. To the specified terminal with a tolerance of +0.2 mm. must be allowed during design when mounting in rows.

Insulation Stripping Lenght: The required stripping length for every Klemsan product is stated in mm. These lengths must be observed.

End Plate: The last terminal in a rail mounted assembly must be closed with an end plate. The end plate is held in position by the end bracket.

Partition: The partition is required for the visual separation of circuits or for electrical separation in case of adjacent cross connections.

Small Partition: Small partitions can be inserted after assembly into terminal blocks of up to a Max. thickness of 10 mm. between cross connections and test sockets.

Conductors

Aluminum and copper conductors are used for the connection of terminals, but copper conductors are used more frequently. These conductors are divided into two main categories.

1- Rigid conductors
   a- Solid strand
   b- Knitted conductors
2- Fine Strand
Conductor cross sections are distinguished as metric and American standards.

Metric mm²	American AWG / kcmil	Equivalent Cross-Sec. al area mm²
0,2	24	0,205
0,34	22	0,324
0,5	20	0,519
0,75	18	0,82
1	-	-
1,5	16	1,3
2,5	14	2,1
4	12	3,3
6	10	5,3
10	8	8,4
16	6	13,3
25	4	21,2
35	2	33,6
50	0	53,5
70	00	67,4
95	000	85
-	0000	107,2
120	250 kcmil	127
150	300 kcmil	152
185	350 kcmil	177
240	500 kcmil	253
300	600 kcmil	304

AWG : (American Wire Gauge) American standard of measure
1 kcmil : 1000 cmils
1 cmil : (1 circular mil) the area of a circle with a Width of one mil
1 mil : 1/1000 inch

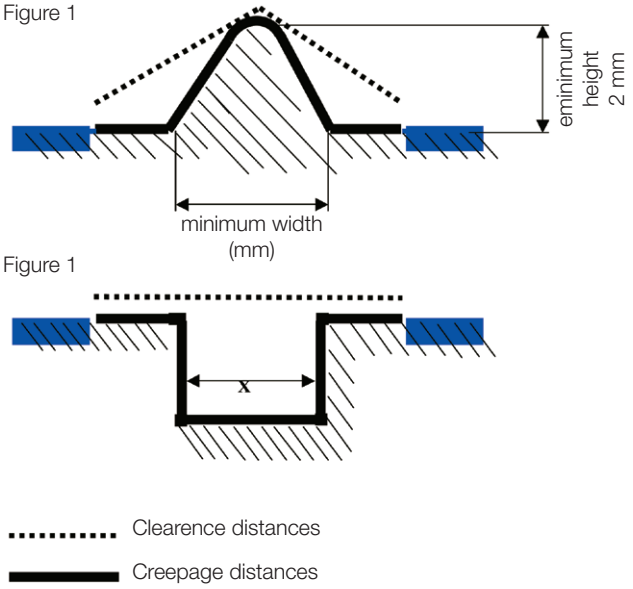
Clearance and Creepage Distances

If the corresponding clearance distance is less than 3 mm, the smallest groove width may be reduced to 1/3 of this clearance distance.
The measuring methods of clearance and creepage distances are revealed in IEC 60947-1 EK G. Projections decrease the creepages with a high level. Therefore, the clearance which has a projection higher than 2mm can be decreased with 80 percent. (FIGURE 1).

Klemsan terminals has pollution degree 3 according to IEC 60947-1 standart. “Conductive pollution or dry, non-conductive pollution occurs liable to be rendered conductive through anticipated moisture condensation.”

Degree of Soiling	Minimum Width “x” in mm
1	0,25
2	1,0
3	1,5
4	2,5

Figure 1



Pollution Severities

Pollution Severity is a classification of environmental conditions under which a terminal block operates.
It is not the atmosphere in a terminal block which determines the isolation performance, but it is creepage distance and micro environment of clearance distance which do this. Microenvironment can be better or worse compared to the atmosphere operated in.

There are 4 identified degrees of microenvironment pollution in evaluating creepage and clearance distances.

Pollution Severity 1:
No pollution or only dry and non-conductive pollution

Pollution Severity 2:
Only non-conductive pollution at a normal level. Besides there may be short-time pollution due to the condensation occurring occasionally

Pollution Severity 3:
Either conductive or dry and non-conductive pollution occurring due to the condensation

Pollution Severity 4:
Permanent pollution occurring due to conductive dust, rain or snow.

Isolation Material Groups

Material groups are classified in line with the creepage distance indices (CTI) as shown below:

Material group I 600 ≤ CTI
Material group II 400 ≤ CTI < 600
Material group IIIa 175 ≤ CTI < 400
Material group IIIb 100 ≤ CTI < 175

Specified CTI values directly affect the creepage distances. Below are the distances as regards to some voltage values

Distances are in mm.	Pollution Severity 3			
	Material Group			
Rated Voltage Value (V)	I	II	IIIA	IIIB
400	5	5,6	6,3	6,3
500	6,3	7,1	8	8
630	8	9	10	10

Protection Types

PE CONDUCTOR: The conductor with Earthing protection only. Mounting rails may be used as protective conductor busbars, provided that the values specified in below table for thermal short-time withstand current and thermal rated current are not exceeded.

Rail Profile	Material	Equivalent E.Cu Cross-Sec. (mm^2)	Short time withstand current (A)	Thermal rated current of a PEN busbar (A)
MR 15 x 5,5	Steel	10	1,2	-
	Copper	25	3	101
	Aluminum	16	1,92	76
G - Type Rail / MR 32	Steel	35	4,2	-
	Copper	120	14,4	269
	Aluminum	70	8,4	192
MR 35 x 7,5	Steel	16	1,92	-
	Copper	50	6	150
	Aluminum	30	4,2	125
MR 35 x 15	Steel	50	6	-
	Copper	150	18	309
	Aluminum	95	11,4	232

Pen Conductor : The conductor that functions as both protection and neutral conductor. Steel busbar or Steel Rails cannot be used as PEN conductor.

Torque Values of Fastening

In screw type terminals torque values are important. If the connector is tightened less than the required value, resistance and heating would appear. On the contrary, when extreme force is applied during fastening, the molecular structure of the metal would distort and heating could appear in conclusion. Therefore, if the nominal torque values obtained by IEC are applied, the probable risks would be eliminated.

Torque values based on IEC 60947-1 Table 4;	Torque (Nm)		
Screw Width Values (mm)	I	II	III
Screws with Widths smaller than 1.6 mm	0,005	0,1	0,1
1,6 - 2	0,1	0,2	0,2
2 - 2,8	0,2	0,4	0,4
2,8 - 3	0,25	0,5	0,5
3 - 3,2	0,3	0,6	0,6
3,2 - 3,6	0,4	0,8	0,8
3,6 - 4,1	0,7	1,2	1,2
4,1 - 4,7	0,8	1,8	1,8
4,4 - 5,3	1,2	2	2
5,3 - 6	2,5	2,5	3
6 - 8	-	3,5	6
8 - 10	-	4	10
10 - 12	-	-	14
12 - 15	-	-	19
15 - 20	-	-	25
20 - 24	-	-	36
Screws with Widths bigger than 24 mm	-	-	50

COLUMN I Applied to the headless screws fixing in the cavity and
other screws which cannot fastened by screw-drivers.

COLUMN II Applied to all screws fastened by screw-drivers.

COLUMN III Applied to screws and nuts fastened by other devices.

Ref: IEC 60947-1/ IEC 60999-1
Klemsan apply security tests to its screw-type terminals with doubled values of IEC torque standards.

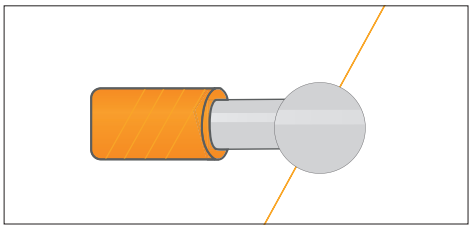
Precautions For Aluminium Cable Usage In Klemsan Terminal Blocks

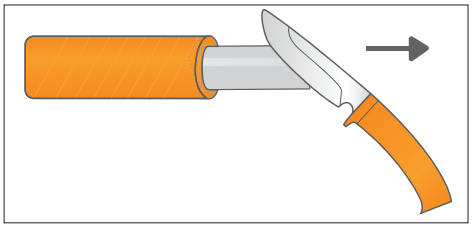
- Precautions against oxidation should be taken while using aluminium cables.
- There are several special products against oxidation, however the most practical and easy solution is using vaseline.
- Application of vaseline on the stripped parts of the aluminium cables that contacting the terminal block, will prevent oxidation.

Otherwise, the bare cable ends contacts the air and will start a rapid oxidation in the terminal block. Voltage values will drop consequently

- If cutting the oxidized cable end is not needed, the oxide layer can be cleaned manually with a knife carefully to not affect the cable cross-section.
- Vaseline is applied to the surfaces after the cleaning process.









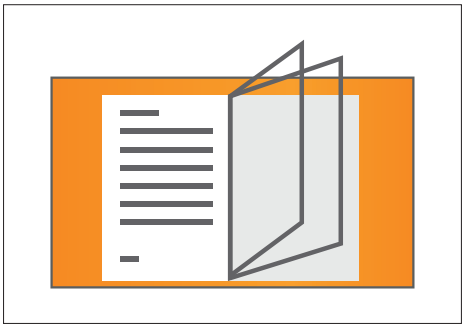
- Aluminium cables are not flexible as copper cables, therefore they are mostly in solid and stranded form.
- While using aluminium cables, especially the stranded types, conductive materials should be carefully watched against braking and cracking.

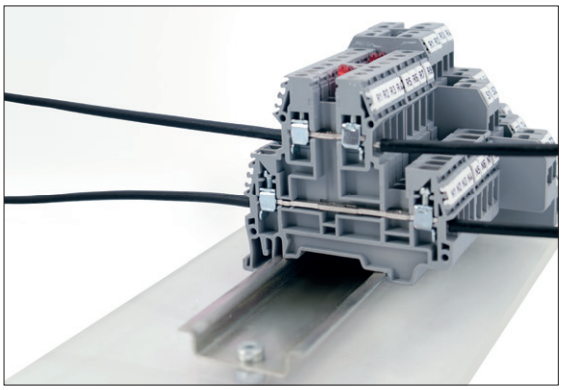
Otherwise, the cross-section of the cable will decrease and terminal temperatures will increase as a result.

Conductivity rates of aluminium cables are lower than copper cables.

- Rated current values indicated in the terminal block data sheets should **not** be considered while using aluminium cables.

While using aluminium cables, the current rate indicated for copper cables should be multiplied by 0.7, the result will give the maximum current value which should not be exceeded unless otherwise indicated.



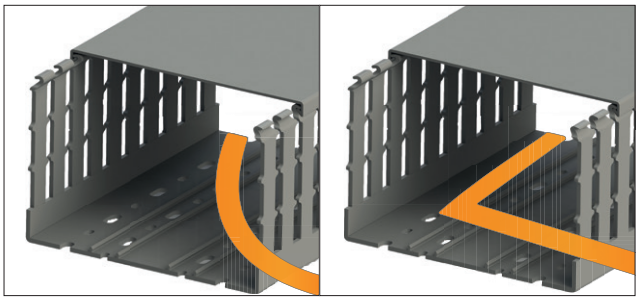




- Maximum torque values indicated in the technical specifications should not be exceeded while using aluminium cables.
- Users should check the tightening process every other day according to the torque values indicated in terminal block data sheets and make sure that the screws are correctly tightened in the given maximum torque value.
- Aluminium cables get softer in time and this cause the connection loose. Connections should be checked regularly as indicated above
- Stripping lengths indicated in the terminal block data sheets are quite important especially for aluminium cable connections.
- Aluminium cables without insulation can easily become oxidized.

- Narrow curves or corners should be avoided while using aluminium cables within panels and wiring ducts, wiring ducts corners should be as wide as possible.

Otherwise, risks of cable braking, bending or cracking possibilities will increase.



CORRECT ANGLE

WRONG ANGLE





- It is recommended to use Al/Cu type insulated cable terminals with stranded aluminium cables.

Terminal Suffix Descriptions

Suffix	Explanations
A	Disconnect (Knife Edge)
AN	Angled
ASK B	Busbar (Glass Fuse Size) Disconnection
AVK B	Busbar Power Terminals
AVK PB	Panel Surface Mounting Terminals
C&CC	2 Input 2 Outputs
CPB	Fork Type Terminals
CS	Cross Connection (for StoP and SRD series)
CTP	Clamp to Pin
D	Diode
D	Direct-Feed through (for WGO types)
E&CE	1 Input 2 Outputs
F	Floor
FB	Socket type busbar disconnection
K	Inner Bridge
LD	LED+Diode
M	Mini
MB	Hinge type busbar disconnection
N	New
NM	New Material, *V0 flammability rating*
PB	Ring Type Terminals
PIK	Two Floor Scrrew Type Terminals
PTP	Pin to Pin
PUK	Three Floor Scrrew Type Terminals
PV	Photovoltaic
R&RD	Redesign
S	Glass Fuse Type (empty)
S	Sensor (PUK 3S-3SLD,PYK 3S-3SLD,YBK 3S-3SLD)
SC-PTR	Female-Rail Mounted
SC-PTS	Female-Panel Surface Mounted
SG-PT	Male
SKT	Socket
SKTD	Socket with diode
SRD	Spring Redesign
StoP	Spring to Pin
T&TK	Earth Terminals

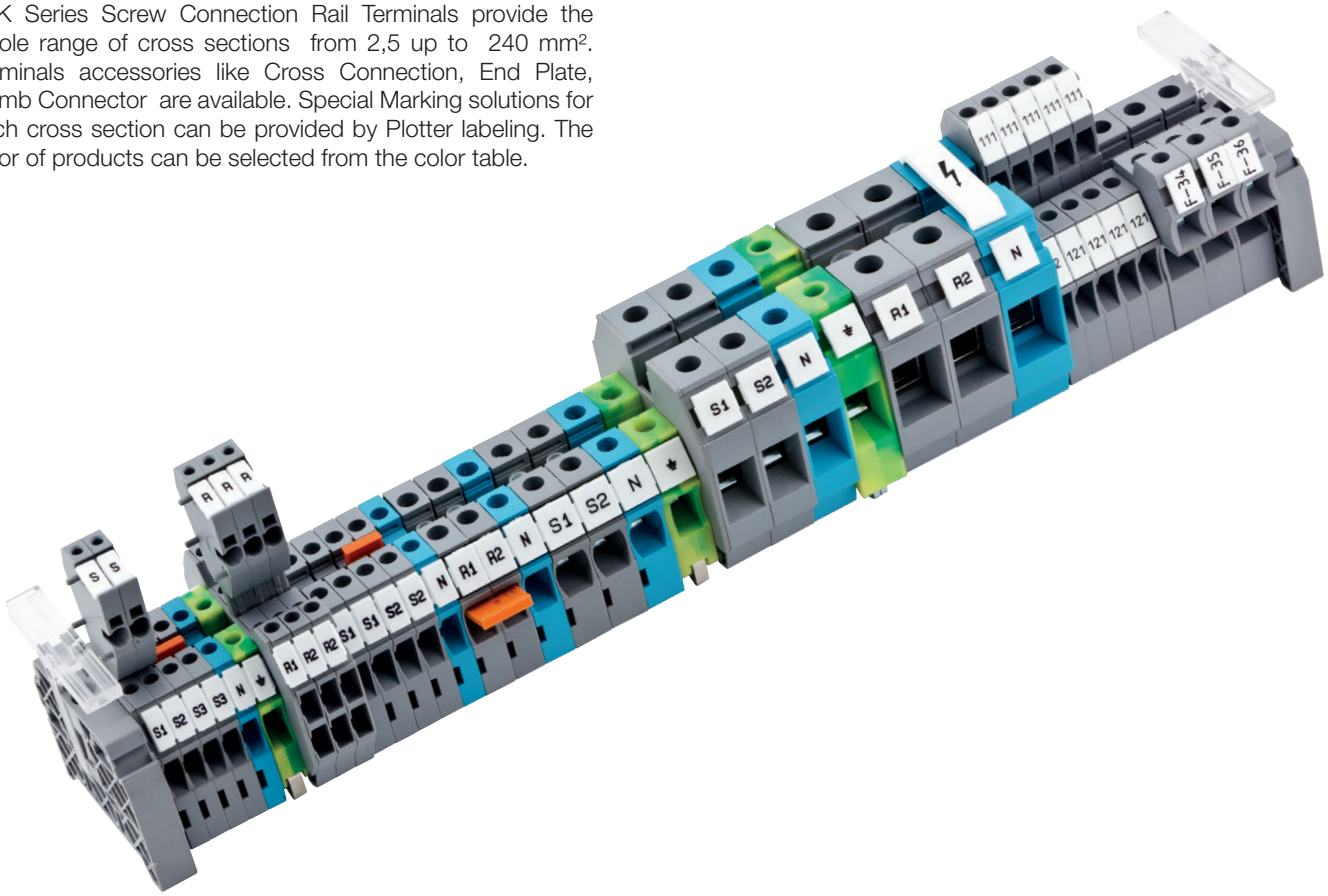
Klemsan Screw Type V0 Product

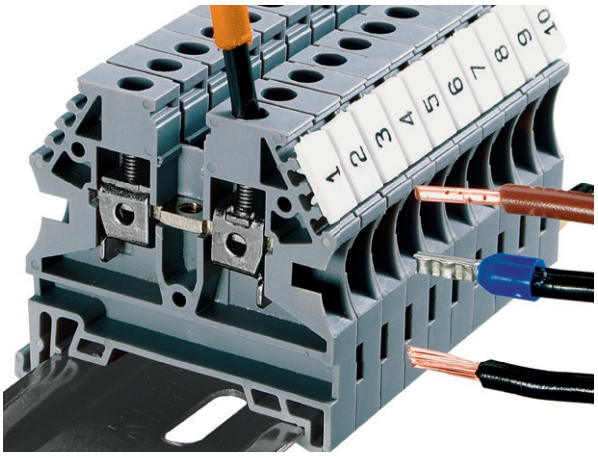
Order No	Type	Color	Pcs.
SCREW TYPE TERMINALS			
309 001	AVK 2.5/NM	Blue	100
309 009	AVK 2.5/NM	Grey	100
309 159	AVK 2.5 RD/NM	Grey	100
309 011	AVK 4/NM	Blue	100
309 019	AVK 4/NM	Grey	100
309 169	AVK 4 RD/NM	Grey	100
309 021	AVK 6/NM	Blue	100
309 029	AVK 6/NM	Grey	100
309 031	AVK 10/NM	Blue	100
309 039	AVK 10/NM	Grey	100
309 051	AVK 16RD/NM	Blue	50
309 059	AVK 16RD/NM	Grey	50
309 071	AVK 35 RD/NM	Blue	40
309 079	AVK 35 RD/NM	Grey	40
309 089	AVK 35 RDS/NM	Grey	50
309 099	AVK 35I RDS/NM	Grey	50
309 149	AVK 240/NM	Grey	4
309 179	AVK 4A/NM	Grey	50
SCREW TYPE EARTH TERMINALS			
341 010	AVK 2.5-4TK/NM	Yellow / Green	50
341 020	AVK 6TK/NM	Yellow / Green	25
341 030	AVK 10TK/NM	Yellow / Green	25
341 040	AVK 16TRD/NM	Yellow / Green	50
341 050	AVK 35T RD/NM	Yellow / Green	40
341 060	AVK 35 TRDS/NM	Yellow / Green	25
341 090	AVK 2,5T RD/NM	Yellow / Green	50
341 100	AVK 4T RD/NM	Yellow / Green	50
DOUBLE DECK TERMINALS			
309 189	PIK 2,5N/NM	Grey	20
309 199	PIK 2,5NK/NM	Grey	20
309 229	PIK 2,5 NLD/NM 24 VAC	Grey	20
309 239	PIK 2,5 NLD/NM 24 VDC	Grey	20
309 249	PIK 2,5 NLD/NM 48 VAC	Grey	20
309 259	PIK 2,5 NLD/NM 48 VDC	Grey	20
309 269	PIK 2,5 NLD/NM 110 VAC	Grey	20
309 279	PIK 2,5 NLD/NM 110 VDC	Grey	20
309 289	PIK 2,5 NLD/NM 220 VAC	Grey	20
309 299	PIK 2,5 NLD/NM 220 VDC	Grey	20
309 309	PIK 4N/NM	Grey	100
309 319	PIK 4NK/NM	Grey	20
309 349	PIK 4NLD/NM 24 VAC	Grey	20
309 359	PIK 4NLD/NM 24 VDC	Grey	20
309 369	PIK 4NLD/NM 48 VAC	Grey	20
309 379	PIK 4NLD/NM 48 VDC	Grey	20

Order No	Type	Color	Pcs.
309 389	PIK 4NLD/NM 110 VAC	Grey	20
309 399	PIK 4NLD/NM 110 VDC	Grey	20
309 409	PIK 4NLD/NM 220 VAC	Grey	20
309 419	PIK 4NLD/NM 220 VDC	Grey	20
309 429	PIK 2,5RD/NM	Grey	100
309 439	PIK 2,5RDK/NM	Grey	100
309 449	PIK 4RD/NM	Grey	100
309 459	PIK 4RDK/NM	Grey	20
315 049	PIK 2,5ND-A/NM	Grey	20
315 059	PIK 2,5ND-B/NM	Grey	20
315 069	PIK 4ND-A/NM	Grey	20
315 079	PIK 4ND-A/NM	Grey	20
MULTILEVEL TERMINALS			
309 469	PUK 2T/NM	Grey	2 0
309 479	PUK 3/NM	Grey	20
309 489	PUK 3T/NM	Grey	20
309 499	PUK 3S/NM	Grey	20
309 509	PUK 3SLD/NM 24 VDC NPN	Grey	20
309 519	PUK 3SLD/NM 24 VDC PNP	Grey	20
FUSE TERMINALS			
315 009	ASK 5/NM	Grey	50
315 019	ASK 5LD/NM 24V (Nonpolarity)	Grey	50
315 029	ASK 5LD/NM 110V (Nonpolarity)	Grey	50
315 039	ASK 5LD/NM 220V (Nonpolarity)	Grey	50
TEST AND DISCONNECT TERMINALS			
309 529	WGO 3/NM Without Socket	Grey	50
309 539	WGO 3/NM One Socket	Grey	50
309 549	WGO 3/NM Double Socket	Grey	50
309 559	WGO 3/NM One Test Socket	Grey	50
309 569	WGO 3/NM Double Test Socket	Grey	50
309 579	WGO 4/NM Without Socket	Grey	50
309 589	WGO 4/NM	Grey	50
309 609	WGO 6/NM	Grey	50
309 619	WGO D6/NM	Grey	50
308 069	WGO-PB6/NM	Grey	50
308 079	WGO-PBD6/NM	Grey	25
PB SERIES TERMINALS			
308 009	PB 6/NM	Grey	40
308 019	PB 6K/NM	Grey	40
308 029	PB 2.5/NM	Grey	45
308 039	PB 2.5K/NM	Grey	45
308 049	PB 25_M5/NM	Grey	10
308 059	PB 25_M6/NM	Grey	10
337 000	PB 6T/NM	Yellow / Green	40
337 010	PB 2.5T/NM	Yellow / Green	45

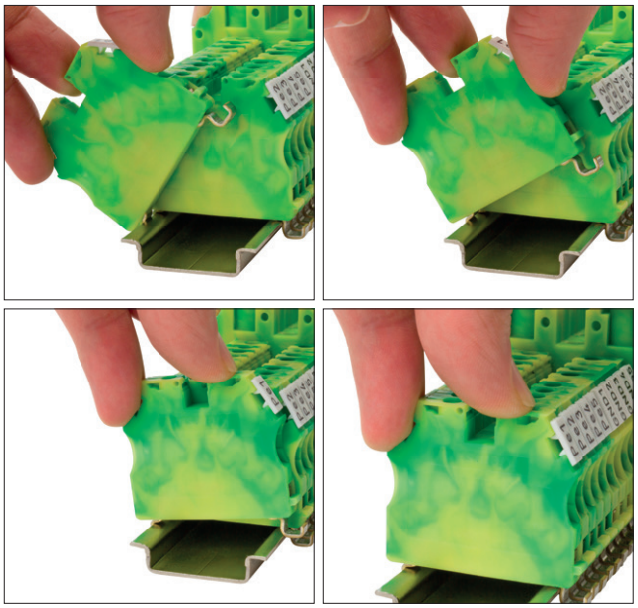
AVK Series Terminals

AVK Series Screw Connection Rail Terminals provide the whole range of cross sections from 2,5 up to 240 mm². Terminals accessories like Cross Connection, End Plate, Comb Connector are available. Special Marking solutions for each cross section can be provided by Plotter labeling. The color of products can be selected from the color table.

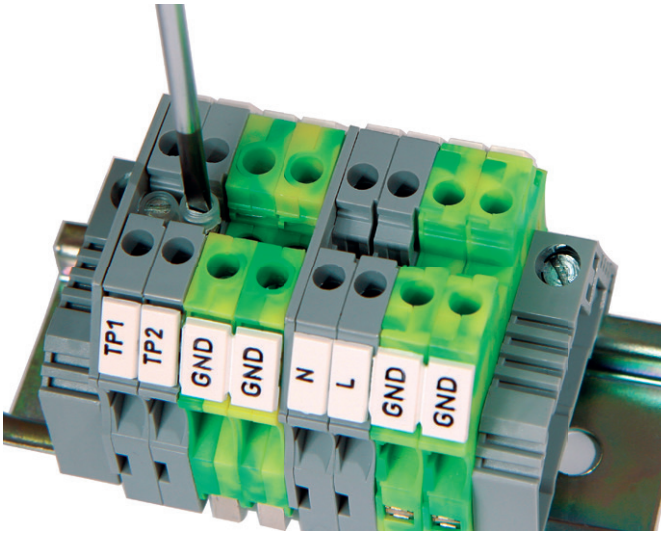


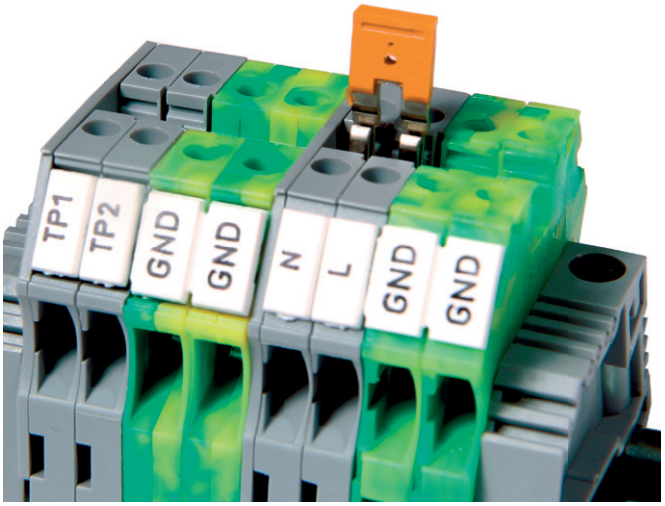


You can safely connect solid and stranded cables with ferrules and also you can use stranded cables without ferrule.

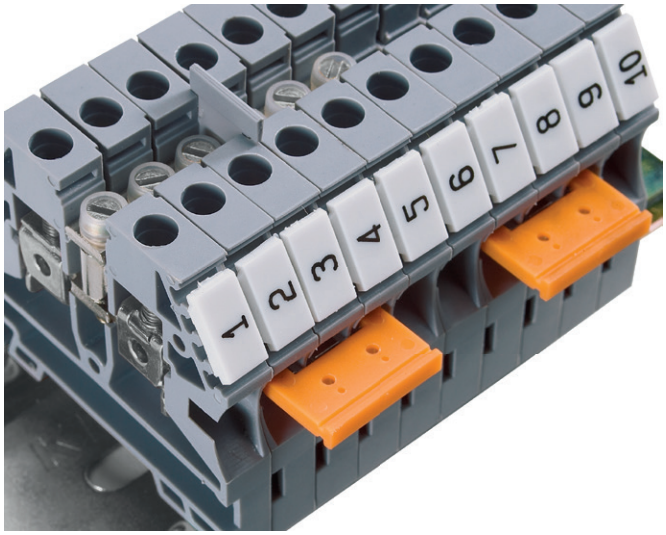


AVK RD series earth terminal blocks provide easy and screwless installation on the rail.





Thanks to push-in type jumpers, AVK RD series 2.5 and 4 mm² cross section feed-through terminal blocks can be cross connected easier and faster way. AVK 2.5 R and AVK 4 R terminals blocks are suitable for double line push-in cross connection, also suitable for strip label.



AVK 2.5 - 4,0 - 6,0 - 10,0 mm² range has the same height and lenght so that, one type of end plate and partition plate can be used.

You can also use comb type cross connection with AVK series terminal blocks in 2.5 - 4 - 6 - 10 mm² cross sections. All AVK series terminal blocks have special marking solutions for your projects.

FEATURE OF AVK EARTH TERMINAL BLOCKS

Screw type earth terminal blocks can meet all important IEC requirements, such as low contact resistance, corrosion-resistant of connection points, secure screws etc. between 2.5 mm² - 50 mm² cross section options.

Yellow-green (mixed commando) body color is easily distinguishable from other terminal blocks. They do not cause visual problems when they are mounted side by side on the rail, because they are equal in size with the feed-through terminal block in the same cross section.

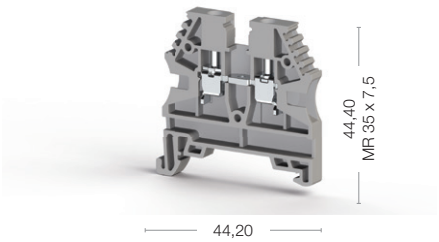
EASY RAIL MOUNT AND ASSEMBLY

AVK RD series earth terminal blocks provide easy and screwless installation on the rail. For this reason, they are fast and economical, compared to standard screw type earth terminal blocks.

AVK Series Terminals

AVK 2,5

Width: 5 mm

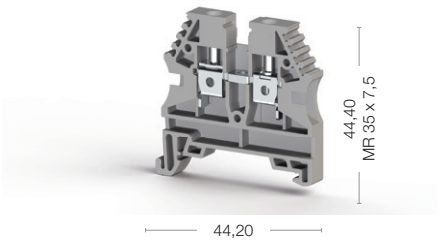


Cat No:

304 120RP
304 129RP

AVK 4

Width: 6 mm



Cat No:

304 130RP
304 139RP

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
UL - CuLus	600	20	AWG 26–12	600	30	AWG 26–10
VDE (IEC 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
CSA	600	20	AWG 28–12	600	30	AWG 28–10
ATEX	630	20	0,5-2,5 mm²	630	27	0,5-4 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,2–4 mm²			0,2–6 mm²		
Conductor cross section stranded (min-max.)	0,2–4 mm²			0,2–6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24–12			AWG 24–10		
Insulation Stripping Length (min.-max.)	9–10 mm			9–10 mm		
Torque (min-max.)	0,4–0,6 Nm			0,5–0,8 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/AVK 2,5-10	444 120	100	NPP/AVK 2,5-10	444 120	100
	APP/AVK 2,5-10	462 120	25	APP/AVK 2,5-10	462 120	25

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	474 122	25	UK 4/2	474 132	25
	UK 2,5/3	474 123	20	UK 4/3	474 133	20
	UK 2,5/4	474 124	15	UK 4/4	474 134	15
	UK 2,5/10	474 129	5	UK 4/10	474 139	5
	UK 2,5/50	474 210	20	UK 4/20	474 180	5
				UK 4/50	474 190	5

Comb Connector	Type	Order No	Qty.	Type	Order No	Qty.
	TKO 2,5/2	476 262	25	TKO 4/2		25
	TKO 2,5/3	476 263	20	TKO 4/3	476 273	20
	TKO 2,5/4	476 264	15	TKO 4/4	476 274	15
	TKO 2,5/10	476 269	5	TKO 4/10	476 279	5

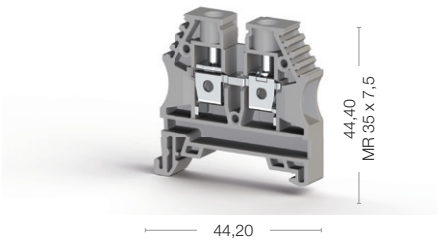
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK 6

Width: 8 mm



Cat No:

304 140RP
304 149RP

Voltage, V ~	Current, A	Cross-Section
630	41	6 mm²
600	50	AWG 26–8
630	41	6 mm²
600	40	AWG 28–8
630	36	0,5-6 mm²

0,2-10 mm²
0,2-10 mm²
0,5-4 mm²
AWG 24-8
10-12 mm
0,8-1,2 Nm
IKTD 4 (0,8x4)

Type	Order No	Qty.
NPP/AVK 2,5-10	444 120	100
APP/AVK 2,5-10	462 120	25

Type	Order No	Qty.
UK 6/2	474 142	25
UK 6/3	474 143	20
UK 6/4	474 144	15
UK 6/10	474 149	5

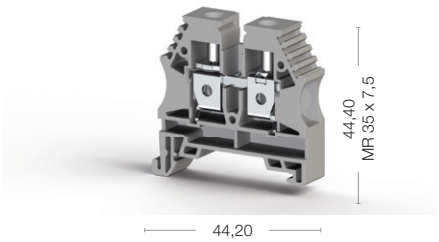
Type	Order No	Qty.
TKO 6/2	476 282	25
TKO 6/3	476 283	20
TKO 6/4	476 284	15
TKO 6/10	476 289	5

8/3
1/B5
IP 20 / -
D-NS 8x10, DG 10/8

100 pcs.

AVK 10

Width: 10 mm



Cat No:

304 150RP
304 159RP

Voltage, V ~	Current, A	Cross-Section
630	57	10 mm²
600	65	AWG 16-6
630	57	10 mm²
600	65	AWG 16-6
630	50	1,5-10 mm²

0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
10-12 mm
1,2-1,8 Nm
IKTD 4 (0,8x4)

Type	Order No	Qty.
NPP/AVK 2,5-10	444 120	100
APP/AVK 2,5-10	462 120	25

Type	Order No	Qty.
UK 10/2	474 152	25
UK 10/3	474 153	20
UK 10/4	474 154	15
UK 10/10	474 159	5

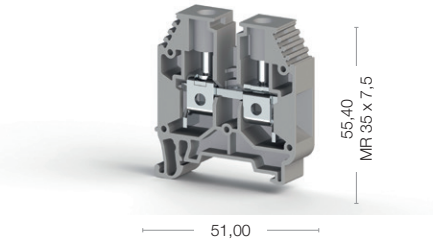
Type	Order No	Qty.
TKO 10/2	476 292	25
TKO 10/3	476 293	20
TKO 10/4	476 294	15
TKO 10/10	476 299	5

8/3
1/B6
IP 20 / -
D-NS 10x10, DG 10/10

100 pcs.

AVK 16

Width: 12 mm



Cat No:

304 160
304 169

Voltage, V ~	Current, A	Cross-Section
750	76	16 mm²
600	85	AWG 12-4
750	76	16 mm²
630	63	2,5-16 mm²

2,5-25 mm²
4-25 mm²
1,5-10 mm²
AWG 14-4
12-14 mm
1,2-2,0 Nm
IKTD 5 (1,0x5,5)

Type	Order No	Qty.
NPP/AVK 16	444 160	100
APP/AVK 16	462 160	25

Type	Order No	Qty.
UK 16/2	474 162	25
UK 16/3	474 163	20
UK 16/4	474 164	15
UK 16/10	474 169	5

8/3
1/B7
IP 20 / -
D-NS 10x10, D-NS 12x10, DG 10x10

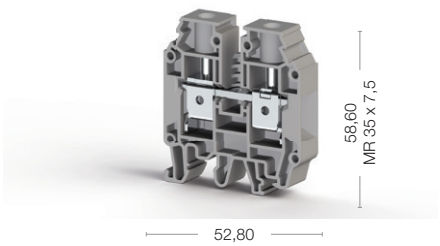
50 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK Series Terminals

AVK 16 RD

Width: 12 mm

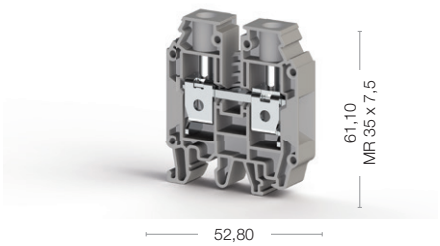


Cat No:

304 240
304 249

AVK 25 RD

Width: 12 mm



Cat No:

304 290
304 299

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	76	16 mm²	1000	101	25 mm²
UL - CuLus	600	80	AWG 12-4	600	100	AWG 12-2
VDE (IEC 60947-7-1)	750	76	16 mm²			
CSA	600	80	AWG 12-4			
ATEX	630	67	1,5-16 mm²	630	89	1,5-35 mm²

Connection Data		
Conductor cross section solid (min-max.)	1,5-25 mm²	1,5-35 mm²
Conductor cross section stranded (min-max.)	1,5-25 mm²	1,5-35 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,75-10 mm²	1,5-10 mm²
AWG Conductor	AWG 16-4	AWG 16-2
Insulation Stripping Length (min.-max.)	12-14 mm	12-14 mm
Torque (min-max.)	1,2-2,0 Nm	2,0-3,0 Nm
Screwdriver	IKTD 5 (1,0x5,5)	IKTD 5 (1,0x5,5)

End Plate - Disconnect Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/AVK 16 RD	444 170	100	NPP/AVK 25 RD	450 250	50
APP/AVK 16 RD	462 170	25			

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 16/2	474 162	25	UK 16/2	474 162	25
UK 16/3	474 163	20	UK 16/3	474 163	20
UK 16/4	474 164	15	UK 16/4	474 164	15
UK 16/10	474 169	5	UK 16/10	474 169	5

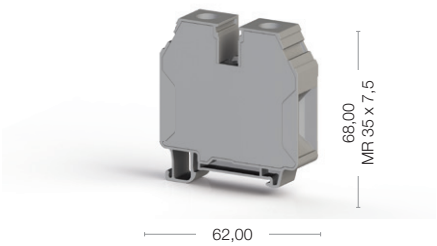
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B7	1/B8
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, D-NS 12x10, DG 10x10	D-NS 10x10, D-NS 12x10, DG 10x10

Package Quantity		
	50 pcs.	50 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK 35 RDS

Width: 16 mm



Cat No:

304 580
304 589

Voltage, V ~	Current, A	Cross-Section
1000	125	35 mm²
600	115	AWG 10-2
800	111	6-50 mm²

6-50 mm²
6-35 mm²
4-16 mm²
AWG 10-2
16-18 mm
4,0-6,0 Nm
IKTD 6 (1,2x6,5)

Type	Order No	Qty.

Type	Order No	Qty.
UK 35/2 RDS	480 212	25
UK 35/3 RDS	480 213	20
UK 35/4 RDS	480 214	15
UK 35/10 RDS	480 219	5

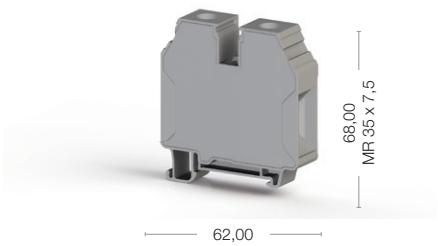
8/3
1/B9
IP 20 / -
D-NS 10x10, D-NS 14x10, DG 10/10, D-NS 12x10

50 pcs.

* Higher torque value compare to AVK 35 RD

AVK 35 IRDS

Width: 16 mm



Cat No:

304 590
304 599

Voltage, V ~	Current, A	Cross-Section
1000	125	35 mm²
600	115	AWG 10-2
800	111	6-50 mm²

6-50 mm²
6-35 mm²
4-16 mm²
AWG 10-2
16-18 mm
4,0-6,0 Nm
S 5 (DIN6911)

Type	Order No	Qty.

Type	Order No	Qty.
UK 35/2 RDS	480 212	25
UK 35/3 RDS	480 213	20
UK 35/4 RDS	480 214	15
UK 35/10 RDS	480 219	5

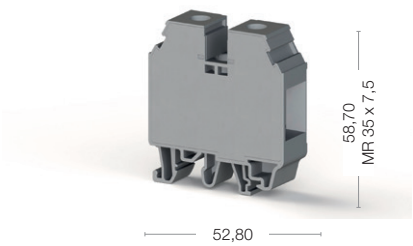
8/3
1/B9
IP 20 / -
D-NS 10x10, D-NS 14x10, DG 10/10, D-NS 12x10

50 pcs.

* Inbus screw

AVK 35 RD

Width: 16 mm



Cat No:

304 250
304 259

Voltage, V ~	Current, A	Cross-Section
1000	125	35 mm²
600	115	AWG 12-2
750	125	
600	115	AWG 12-2
630	111	1,5-35 mm²

1,5-50 mm²
1,5-50 mm²
1,5-16 mm²
AWG 16-2
16-18 mm
2,5-3,5 Nm
IKTD 6 (1,2x6,5)

Type	Order No	Qty.
APP/AVK 35 RD	462 180	10

Type	Order No	Qty.
UK 35/2	474 172	25
UK 35/3	474 173	20
UK 35/4	474 174	15
UK 35/10	474 179	5

8/3
1/B9
IP 20 / -
D-NS 10x10, D-NS 14x10, DG 10/10, D-NS 12x10

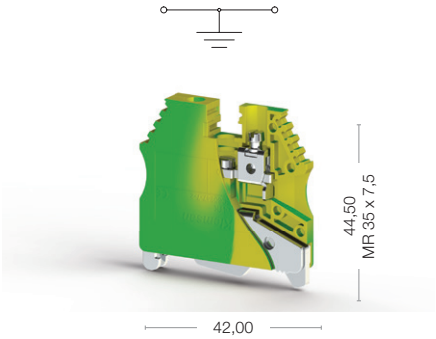
40 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK T Series
Earth Terminals

AVK 2,5 / 4 TK

Width: 6 mm

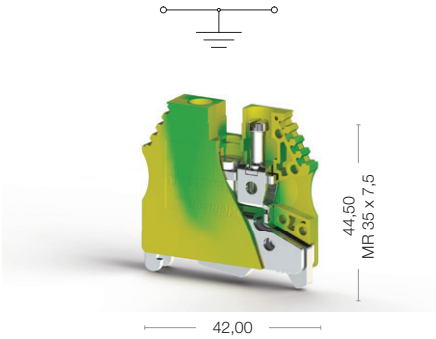


Cat No:

334 450

AVK 6 TK

Width: 8 mm



Cat No:

334 460

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			2,5-4 mm²			6 mm²
UL - CuLus			AWG 26-10			AWG 26-8
VDE (IEC 60947-7-2)						
CSA						
ATEX			0,5-6 mm²			0,5-6 mm²

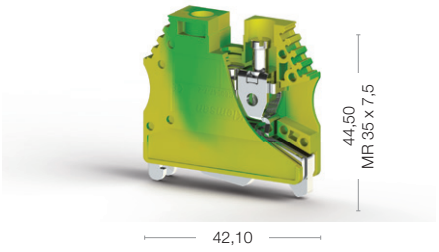
Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-10 mm²
Conductor cross section stranded (min-max.)	0,2-6 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-4 mm²
AWG Conductor	AWG 24-10	AWG 24-8
Insulation Stripping Length (min.-max.)	9-10 mm	10-12 mm
Torque (min-max.)	0,5-0,8 Nm	0,8-1,2 Nm
Rail Tightening torque, (min-max.)	0,4-0,6 Nm	0,6 -0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 4 (0,8x4)

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/B5
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T	D-NS 8x10, DG 10/8

Package Quantity		
	50 pcs.	25 pcs.

AVK 10 TK

Width: 10 mm



Cat No:

334 470

Voltage, V ~	Current, A	Cross-Section
		10 mm²
		AWG 16-6
		1,5-16 mm²

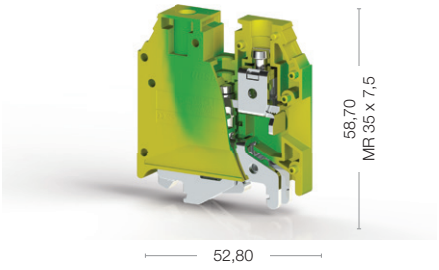
0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
10-12 mm
1,2-1,5 Nm
0,8-1,0 Nm
IKTD 4 (1,2x6,5)

8/3
1/B6
IP 20 / PE
D-NS 10x10, DG 10/10

25 pcs.

AVK 16 T RD

Width: 12 mm



Cat No:

334 200

Voltage, V ~	Current, A	Cross-Section
		16 mm²
		AWG 12-4
		16 mm²
		AWG 12-4
		1,5-16 mm²

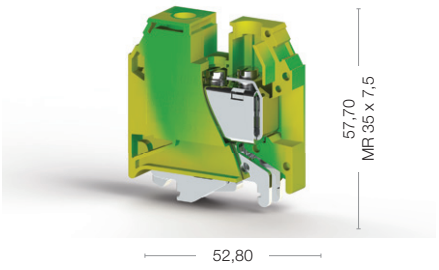
1,5-25 mm²
1,5-25 mm²
0,75-10 mm²
AWG 16-4
12-14 mm
1,2-2,0 Nm
1,0-1,2 Nm
IKTD 5 (1,2x6,5)

8/3
1/B7
IP 20 / PE
D-NS 10x10, D-NS 12x10, DG 10/10

50 pcs.

AVK 35 T RD

Width: 16 mm



Cat No:

334 210

Voltage, V ~	Current, A	Cross-Section
		35 mm²
		AWG 12-2
		35 mm²
		AWG 12-2
		1,5-35 mm²

1,5-50 mm²
1,5-50 mm²
1,5-16 mm²
AWG 16-2
16-18 mm
2,5-3,5 Nm
1,2-1,5 Nm
IKTD 6 (1,2x6,5)

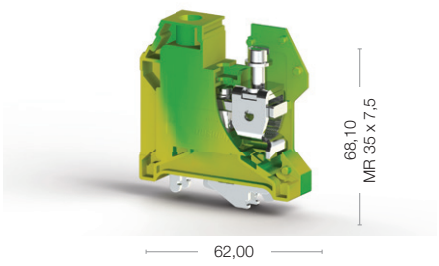
8/3
1/B9
IP 20 / PE
D-NS 10x10, D-NS 14x10, DG 10/10

40 pcs.

AVK T Series
Earth Terminals

AVK 35 T RDS

Width: 16 mm

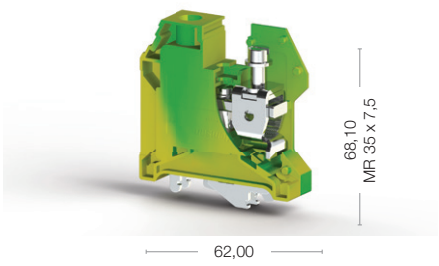


Cat No:

334 240

AVK 35 T IRDS

Width: 16 mm



Cat No:

334 250

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			35 mm²			35 mm²
UL - CuLus			AWG 10-2			AWG 10-2
VDE (IEC 60947-7-2)						
CSA						
ATEX			6-50 mm²			6-50 mm²

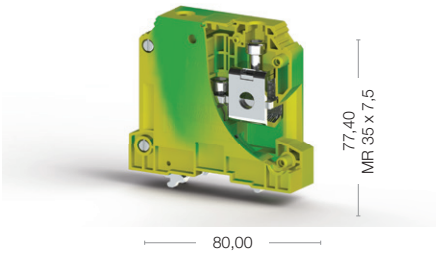
Connection Data		
Conductor cross section solid (min-max.).	6-50 mm²	6-50 mm²
Conductor cross section stranded (min-max.)	6-35 mm²	6-35 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	4-16 mm²	4-16 mm²
AWG Conductor	AWG 10-2	AWG 10-2
Insulation Stripping Length (min.-max.)	16-18 mm	16-18 mm
Torque (min-max.)	4,0-6,0 Nm	4,0-6,0 Nm
Rail Tightening torque, (min-max.)	1,2-1,5 Nm	1,2-1,5 Nm
Screwdriver	IKTD 6 (1,2x6,5)	S 5 (DIN6911)

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B9	1/B9
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, D-NS 14x10, DG 10/10	D-NS 10x10, D-NS 14x10, DG 10/10

Package Quantity		
	25 pcs.	25 pcs.

AVK 50 T

Width: 20 mm



Cat No:

334 190

Voltage, V ~	Current, A	Cross-Section
		50 mm²
		AWG 6-1/0
800		16-50 mm²

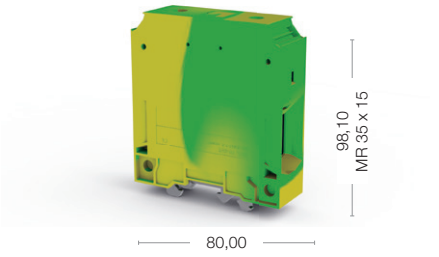
16-70 mm²
25-50 mm²
10-16 mm²
AWG 10-1/0
22-24 mm
6,0-10 Nm
1,5-2,0 Nm
S 5 (DIN6911)

8/3
1/B10
IP 20 / PE
KOIP SW, SLF-P1 W

10 pcs.

AVK 70-95 T

Width: 25 mm



Cat No:

336 660

Voltage, V ~	Current, A	Cross-Section
		95 mm²

25-95 mm²
35-95 mm²
16-35 mm²
AWG 4-3/0
26-28 mm
10-15 Nm
3,0-6,0 Nm
S 6 (DIN6911)

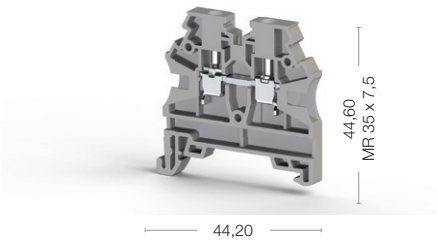
8/3
1/B10
IP 20 / PE
KOIP SM W, D-NS 20x9, SLF-P1 W

6 pcs.

AVK RD Series Terminals

AVK 2,5 RD

Width: 5 mm

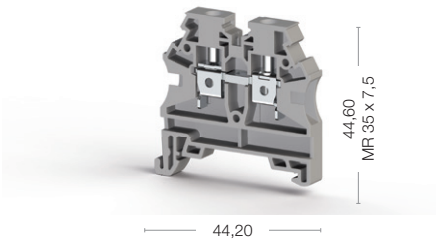


Cat No:

304 200RP
304 209RP

AVK 4 RD

Width: 6 mm



Cat No:

304 210RP
304 219RP

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
UL - CuLus	600	20	AWG 26-12	600	30	AWG 26-10
VDE (IEC 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
CSA						
ATEX	630	20	0,5-2,5 mm²	630	25	0,5-4 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-6 mm²		
Conductor cross section stranded (min-max.)	0,2-4 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,4-0,6 Nm			0,5-0,8 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/AVK 2,5-10	444 120	100	NPP/AVK 2,5-10	444 120	100
	APP/AVK 2,5-10	462 120	25	APP/AVK 2,5-10	462 120	25

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	476 222	25	UK 4/2	476 232	25
	UK 2,5/3	476 223	20	UK 4/3	476 233	20
	UK 2,5/4	476 224	15	UK 4/4	476 234	15
	UK 2,5/10	476 229	5	UK 4/10	476 239	5
	UK 2,5/32	474 270	10	UK 4/50	476 330	20
	UK 2,5/50	476 320	20			

Comb Connector	Type	Order No	Qty.	Type	Order No	Qty.
	TKO 2,5/2	476 262	25	TKO 4/2	476 272	25
	TKO 2,5/3	476 263	20	TKO 4/3	476 273	20
	TKO 2,5/4	476 264	15	TKO 4/4	476 274	15
	TKO 2,5/10	476 269	5	TKO 4/10	476 279	5

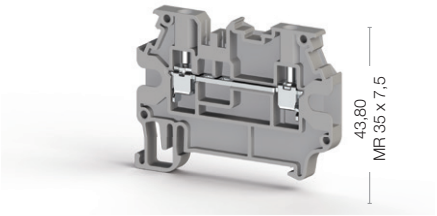
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 10/5, DG 10/5, DG 10/5T, D-NS 5x10	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK 2,5 R

Width: 5 mm



Cat No:

304 409
304 400

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 2,5 R	450 330	25

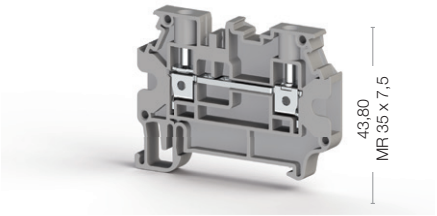
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

8/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

50 pcs.

AVK 4 R

Width: 6 mm



Cat No:

304 390
304 399

Voltage, V ~	Current, A	Cross-Section
800	32	4 mm²
630	28	0,5-6 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 4 R	450 330	25

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

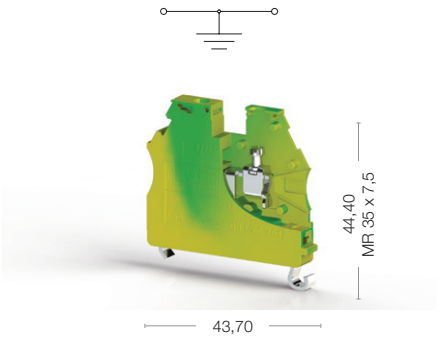
8/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

50 pcs.

AVK RD Series
Earth Terminals

AVK 2,5 T RD

Width: 5,75 mm

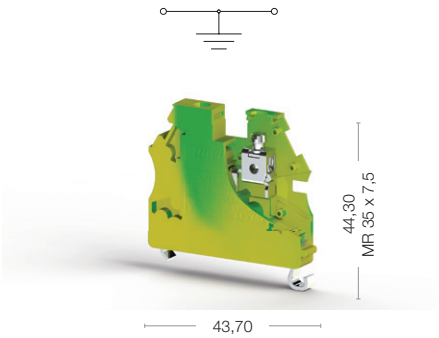


Cat No:

334 170

AVK 4 T RD

Width: 6,2 mm



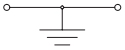
Cat No:

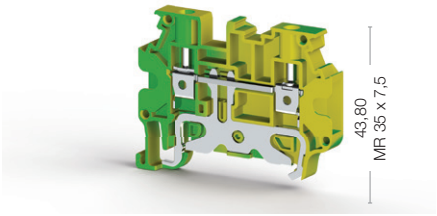
334 180

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)			2,5 mm²			4 mm²
UL - CuLus			AWG 26-12			AWG 26-10
VDE (IEC 60947-7-1 / EN 60947-7-2)						
CSA						
ATEX			0,5-2,5 mm²			0,5-4 mm²
Connection Data						
Conductor cross section solid (min-max.)			0,2-4 mm²			0,2-6 mm²
Conductor cross section stranded (min-max.)			0,2-4 mm²			0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)			0,5-1,5 mm²			0,5-2,5 mm²
AWG Conductor			AWG 24-12			AWG 24-10
Insulation Stripping Length (min.-max.)			9-10 mm			9-10 mm
Torque (min-max.)			0,4-0,6 Nm			0,5-0,8 Nm
Rail Tightening torque, (min-max.)						
Screwdriver			IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)
End Plate - Disconnect Plate						
Technical Data						
Rated Impulse Voltage / Pollution severity			8			8
Insulation material group / Gauge pin code according to IEC 60947-1			1/A3			1/A4
Protection class / Protection conductor type			IP 20 / PE			IP 20 / PE
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix			D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T			D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T
Package Quantity						
			50 pcs.			50 pcs.

AVK 4 RT

Width: 6 mm





Cat No:

334 270

Voltage, V ~	Current, A	Cross-Section
		4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

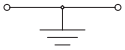
Type	Order No	Qty.
NPP /AVK 4 RT	450 332 T	25

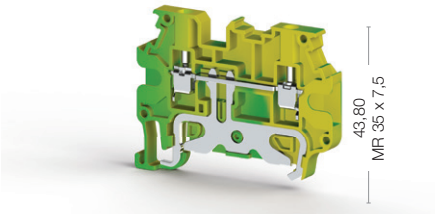
8
1/A4
IP 20 / PE
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W

50 pcs.

AVK 2,5 RT

Width: 5 mm





Cat No:

334 280

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP /AVK 2,5 RT	450 332 T	25

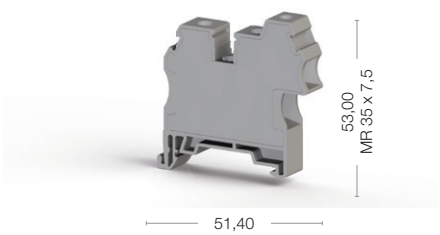
8
1/A3
IP 20 / PE
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W

50 pcs.

AVK Series Terminals

AVK 10 RD 4

Width: 10 mm

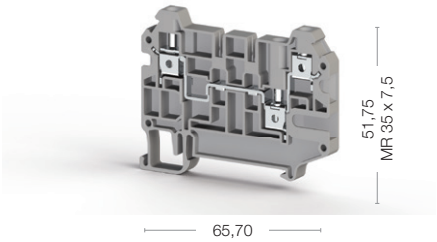


Cat No:

304 289
304 280

AVK 4 CE

Width: 6 mm



Cat No:

325 229
325 220

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	57	10 mm²	500	32	4 mm²
UL - CuLus						
VDE (IEC 60947-7-1)						
CSA						
ATEX	500	43	1,5-16 mm²	500	28	0,5-6 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,5/0,2 mm² - 16/4 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,5/0,2 mm² - 16/4 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5/0,5 - 6/1,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 20/24 - 6/12	AWG 24-10
Insulation Stripping Length (min.-max.)	10/7 - 12/8 mm	9-10 mm
Torque (min-max.)	1,2-0,5 / 1,8-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5) / IKTD 4 (0,8x4)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate		Type	Order No	Qty.
		NPP/AVK 4 CE	450 349	25

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 10/2	474 152	25	UK 4/2	476 232	25
	UK 10/3	474 153	20	UK 4/3	476 233	20
	UK 10/4	474 154	15	UK 4/4	476 234	15
	UK 10/10	474 159	5	UK 4/10	476 239	5

Comb Connector						
	TKO 10/2	476 292	25			
	TKO 10/3	476 293	20			
	TKO 10/4	476 294	15			
	TKO 10/10	476 299	5			

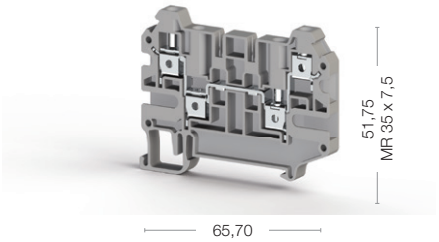
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B6-A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, DG 10/10	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	60 pcs.	50 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK 4 CC

Width: 6 mm



Cat No:

325 209
325 200

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²
500	28	0,5-6 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 4 CC	450 349	25

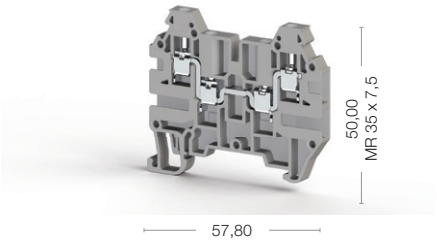
Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

50 pcs.

AVK 2,5 CC

Width: 5 mm



Cat No:

324 909
304 900

Voltage, V ~	Current, A	Cross-Section
750	24	2,5 mm²
600	20	AWG 26-12
630	21	0,5-2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 2,5 CC	444 139	25

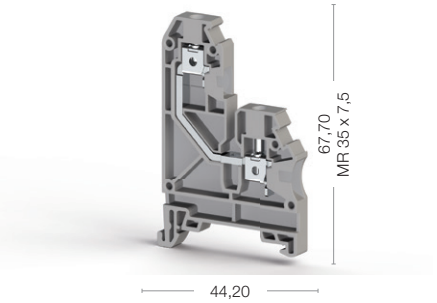
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

8/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, Dg 10/5, DG 10/5T

100 pcs.

AVK 4 GD

Width: 6 mm



Cat No:

304 270
304 279

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²
400	26	0,5-4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 4GD	444 140	25

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

Type	Order No	Qty.
TKO 4/2	476 272	25
TKO 4/3	476 273	20
TKO 4/4	476 274	15
TKO 4/10	476 279	5

8/3
1/A4
IP 20 / -
D-NS 5x6, D-NS 6x10, DB 5, DB 10/6, DG 6/5, DG 10/6, DG 10/6T

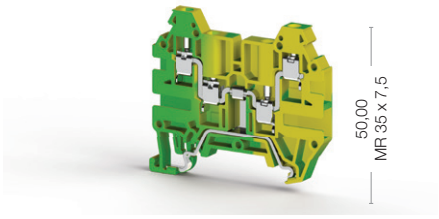
100 pcs.

AVK RD Series
Earth Terminals

AVK 2,5 CCT

Width: 5 mm



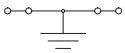


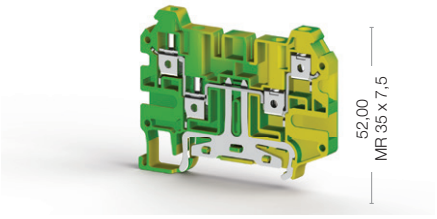
Cat No:

334 220

AVK 4 CCT

Width: 6 mm

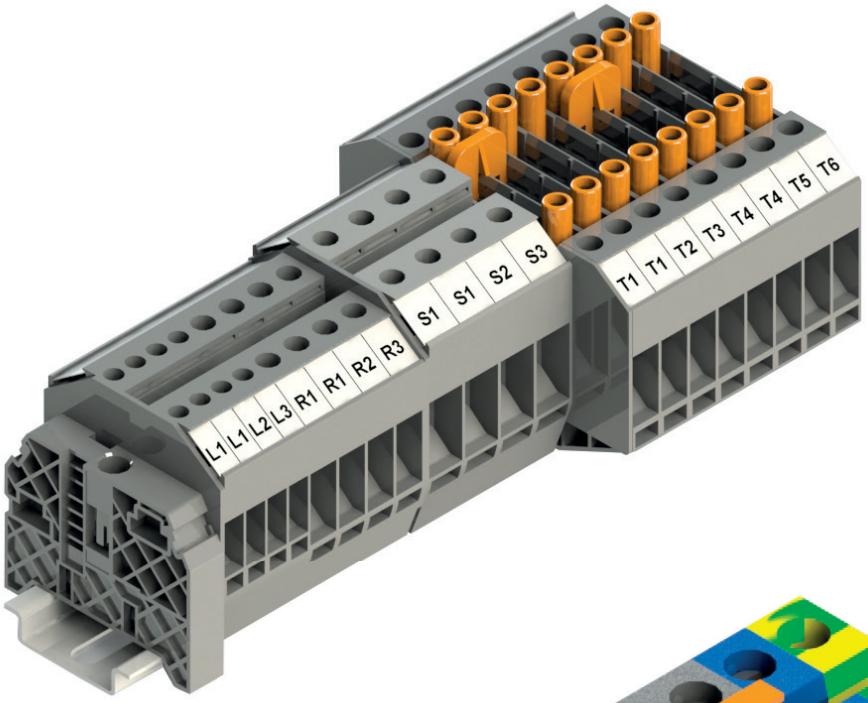


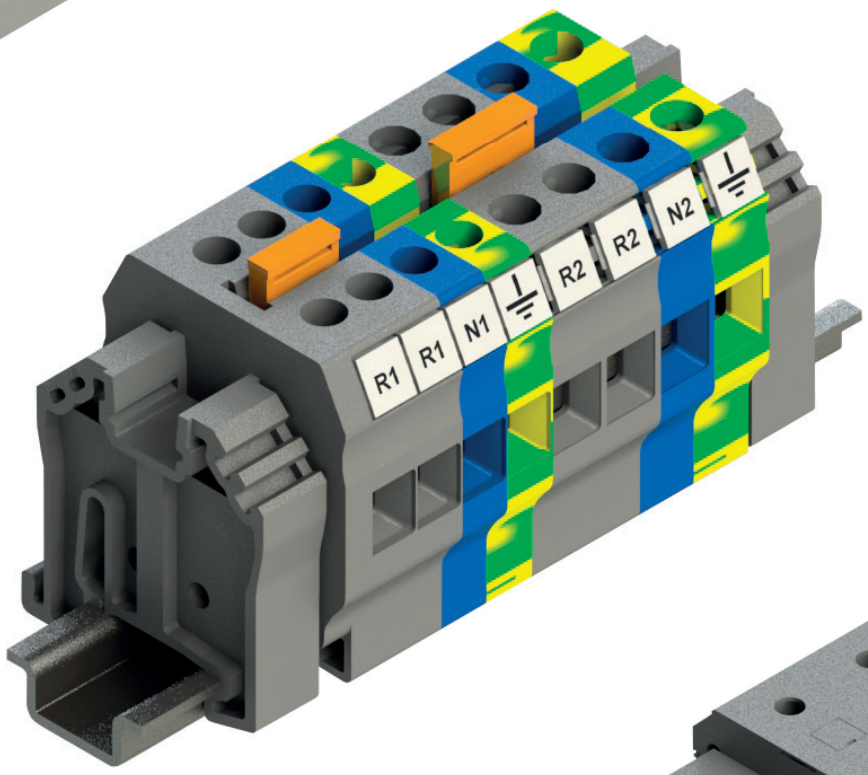


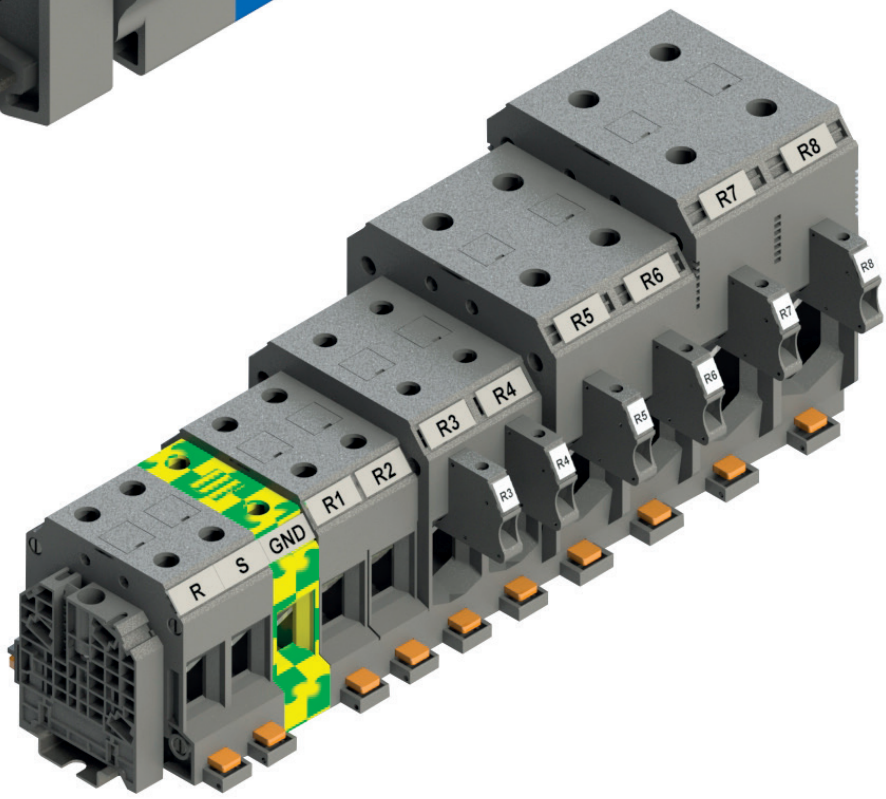
Cat No:

334 260

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			2,5 mm²			4 mm²
UL - CuLus			AWG 26-12			
VDE (IEC 60947-7-2)						
CSA						
ATEX			0,5-2,5 mm²			0,5-6 mm²
Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-6 mm²		
Conductor cross section stranded (min-max.)	0,2-4 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,4-0,6 Nm			0,5-0,8 Nm		
Rail Tightening torque, (min-max.)						
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
End Plate - Disconnect Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/AVK 2,5 CCT	444 132T	25	NPP/AVK 4 CCT	450 342T	25
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A4		
Protection class / Protection conductor type	IP 20 / PE			IP 20 / PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T			D-NS 6x10, DG 10/6, DG 10/6T, DB 10/6		
Package Quantity						
	25 pcs.			50 pcs.		


L1 L1 L2 L3 R1 R1 R2 R3
S1 S1 S2 S3
T1 T1 T2 T3 T4 T4 T5 T6

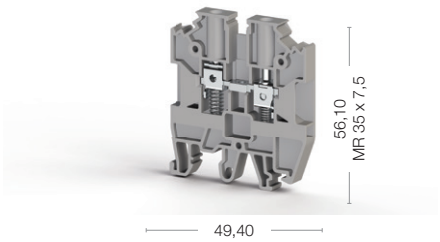

R1 R1 N1
R2 R2 N2


R S GND
R1 R2
R3 R4
R5 R6
R7 R8

AVK Y Series Terminals

AVK Y 4

Width: 6 mm

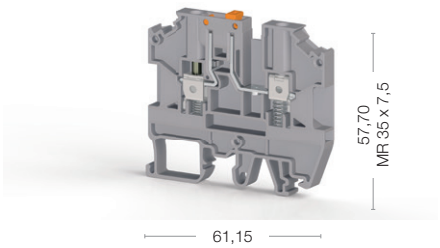


Cat No:

304 500
304 509

AVK Y 4 A

Width: 6 mm



Cat No:

304 600
304 609

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	32	4 mm²	500	32	4 mm²
UL - CuLus						
VDE (IEC 60947-7-1)	800	32	4 mm²			
CSA						
ATEX	630	28	0,5-6 mm²			

Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	10-12 mm	10-12 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP AVK Y 4/6	450 300	50	NPP AVK Y 4A	450 390	20

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 4/2	474 132	25	UK 4/2	474 132	25
	UK 4/3	474 133	20	UK 4/3	474 133	20
	UK 4/4	474 134	15	UK 4/4	474 134	15
	UK 4/10	474 139	5	UK 4/10	474 139	5
	Uk 4/20	474 180	5	Uk 4/20	474 180	5
	UK 4/50	474 190	5	UK 4/50	474 190	5

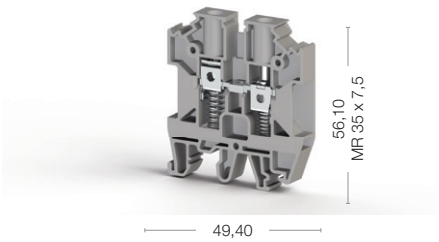
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B4	1/B4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 10/6, DG 10/6T, SLF-P1 W, D-NS 6x10	D-NS 6x10, DG 10/6, DG 10/6T, DB 10/6, SLF-P1 W

Package Quantity		
	120 pcs.	30 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

AVK Y 6

Width:8 mm



Cat No:

304 510
304 519

Voltage, V ~	Current, A	Cross-Section
800	41	6 mm²
800	41	6 mm²
500	36	0,5-10 mm²

0,2-10 mm²
0,2-10 mm²
0,5-4 mm²
AWG 24-8
10-12 mm
0,8-1,2 Nm
IKTD 4 (0,8x0,4)

Type	Order No	Qty.
NPP AVK Y 4/6	450 300	50

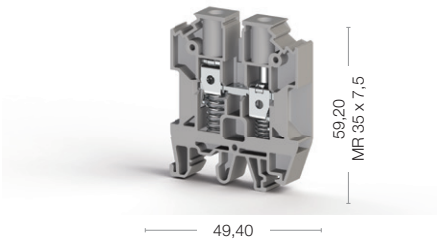
Type	Order No	Qty.
UK 6/2	474 142	25
UK 6/3	474 143	20
UK 6/4	474 144	15
UK 6/10	474 149	5

8/3
1/B5
IP 20 / -
D-NS 8x10, DG 10/8, SLF-P1 W

90 pcs.

AVK Y 10

Width:10 mm



Cat No:

304 520
304 529

Voltage, V ~	Current, A	Cross-Section
800	57	10 mm²
800	57	10 mm²
500	50	1,5-16 mm²

0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-16
10-12 mm
1,2-1,8 Nm
IKTD 4 (0,8x0,4)

Type	Order No	Qty.
NPP/AVK Y 10	450 260	50

Type	Order No	Qty.
UK 10/2	474 152	25
UK 10/3	474 153	20
UK 10/4	474 154	15
UK 10/10	474 159	5

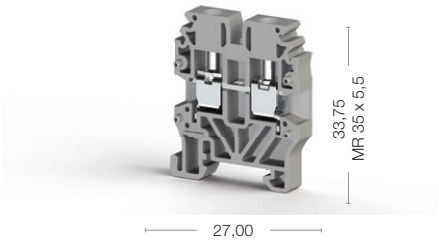
8/3
1/B6
IP 20 / -
D-NS 10x10, DG 10/10, SLF-P1 W

70 pcs.

MVK Type
Mini Terminals
for MR 15 Rails

MVK 2,5

Width: 5 mm

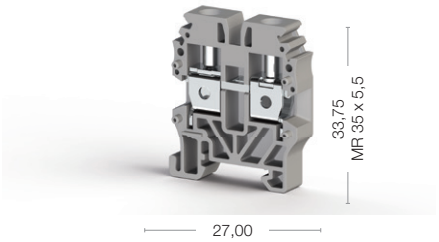


Cat No:

304 429
304 420

MVK 4

Width: 6 mm



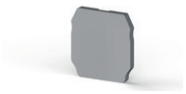
Cat No:

304 439
304 430

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	400	24	2,5 mm²	400	32	4 mm²
UL - CuLus	300	20	AWG 26-12	300	30	AWG 24-10
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	20	0,5-2,5 mm²	400	28	0,5-4 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-4 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-12	AWG 24-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque (min-max.)	0,4-0,6 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/MVK 2,5-4	444 429	100	NPP/MVK 2,5-4	444 429	100

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 4/2	476 232	25
UK 2,5/3	476 223	20	UK 4/3	476 233	20
UK 2,5/4	476 224	15	UK 4/4	476 234	15
UK 2,5/10	476 229	5	UK 4/10	476 239	5
UK 2,5/16	474 260	10			
UK 2,5/20	474 200	10			

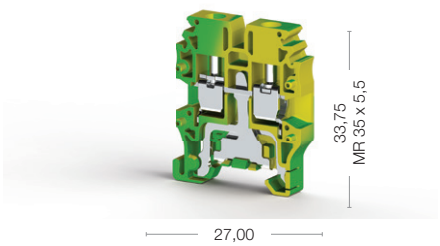
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3	1/B4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5, D-NS 5X6	DB 5, D-NS 5X6

Package Quantity		
	100 pcs.	100 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

MVK 2,5 T

Width: 5 mm



Cat No:

334 420

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 26-12
		0,5-2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

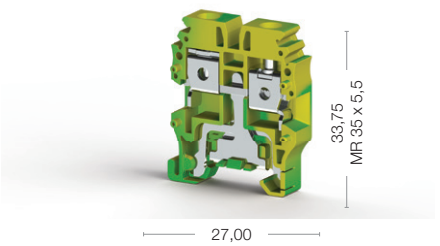
Type	Order No	Qty.
NPP/MVK 2,5T	444 422T	100

6/3
1/B3
IP 20 / PE
DB 5, D-NS 5X6

50 pcs.

MVK 4 T

Width: 6 mm



Cat No:

334 430

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 24-10
		0,5-4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

NPP/MVK 4T	444 422T	100

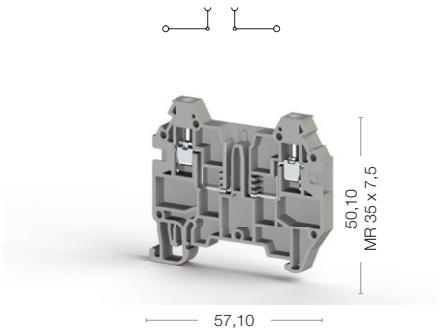
6/3
1/B4
IP 20 / PE
DB 5, D-NS 5X6

50 pcs.

Functional Terminals and Sockets

AVK 2,5 F

Width: 6 mm

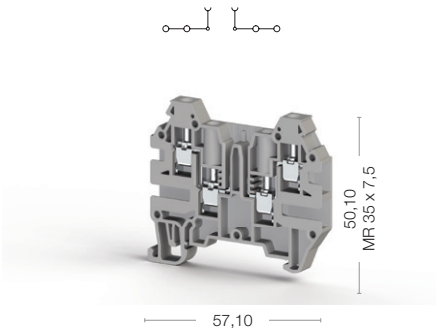


Cat No:

324 929
324 920

AVK 2,5 CF

Width: 6 mm



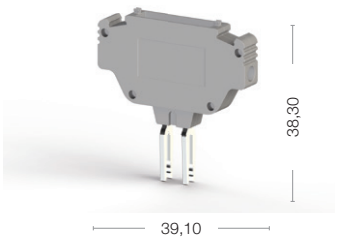
Cat No:

324 919
324 910

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	400	16	2,5 mm²	400	16	4 mm²
UL - CuLus						
VDE (IEC 60947-7-1)						
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-4 mm²		
Conductor cross section stranded (min.-max.)	0,2-4 mm²			0,2-4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-1,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,4-0,6 Nm			0,4-0,6 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
End Plate - Disconnect Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP AVK 2,5 F	444 139	25	NPP AVK 2,5 CF	444 139	25
Technical Data For Diode						
Diode Voltage						
Diode Current						
Diod						
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T			D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T		
Package Quantity						
	80 pcs.			80 pcs.		

AVK SKT

Width: 5,80 mm



Cat No:

498 759
498 750

Voltage, V ~	Current, A	Cross-Section
400	16	2,5 mm²

0,2-0,4 mm²
0,2-0,4 mm²
0,5-1,5 mm²
AWG 24-12
6-7 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.

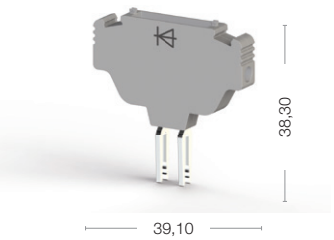
6/3
1/A3
IP 20 / PE
D-NS 5x6, DB 5, DG 6/5

50 pcs.

NOTE: AVK SKTD product is just used with AVK 2,5 F and AVK 2,5 CF terminals.

AVK SKTD

Width: 5,80 mm



Cat No:

498 859
498 850

Voltage, V ~	Current, A	Cross-Section
400	1	2,5 mm²

0,2-0,4 mm²
0,2-0,4 mm²
0,5-1,5 mm²
AWG 24-12
6-7 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.

1000V
1A
1 N 4007

6/3
1/A3
IP 20 / PE
D-NS 5x6, DB 5, DG 6/5

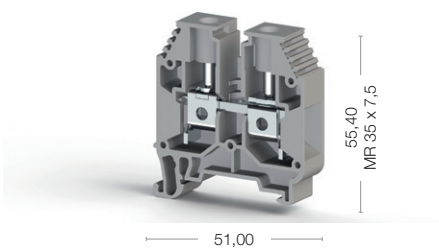
50 pcs.

NOTE: AVK SKTD product is just used with AVK 2,5 F and AVK 2,5 CF terminals.

AVK PV Series Terminals

AVK 16 PV

Width: 12 mm

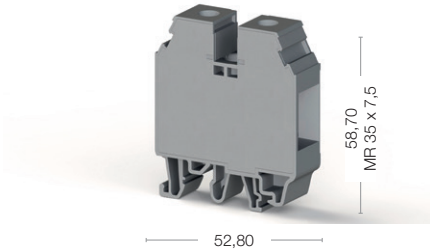


Cat No:

304 160 P
304 169 P
304 161 P

AVK 35 RD PV

Width: 16 mm



Cat No:

304 250 P
304 259 P
304 251 P

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	76	16 mm²	1000	125	35 mm²
UL - CuLus	1000	85	AWG 12-4	1000	115	AWG 12-2
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	2,5-25 mm²			1,5-50 mm²		
Conductor cross section stranded (min.-max.)	4-25 mm²			1,5-50 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	1,5-10 mm²			1,5-16 mm²		
AWG Conductor	AWG 14-4			AWG 16-2		
Insulation Stripping Length (min.-max.)	12-14 mm			16-18 mm		
Torque (min-max.)	1,2-2,0 Nm			2,5-3,5 Nm		
Screwdriver	IKTD 5 (1,0x5,5)			IKTD 6 (1,2x6,5)		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / AVK 16	444 160	100	APP / AVK 35 RD	462 180	10
	APP / AVK 16	462 160	25			

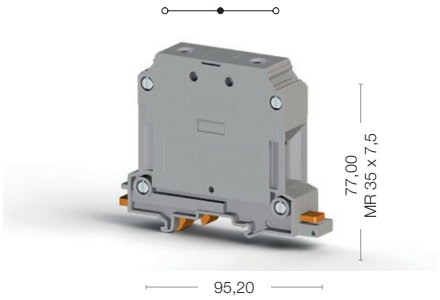
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 16/2	474 162	25	UK 35/2	474 172	25
	UK 16/3	474 163	22	UK 35/3	474 173	22
	UK 16/4	474 164	15	UK 35/4	474 174	15
	UK 16/10	474 169	5	UK 35/10	474 179	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B7	1/B9
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 12x10, DG 10/10	D-NS 12x10, D-NS 14x10, DG 10/10

Package Quantity		
	50 pcs.	40 pcs.

AVK 50 PV

Width: 20 mm



Cat No:

304 330 P
304 339 P
304 331 P

Voltage, V ~	Current, A	Cross-Section
1000	150	50 mm²
1000	150	AWG 6-1/0

16-70 mm²
25-50 mm²
10-16 mm²
AWG 10-1/0
22-24 mm
6-10 Nm
S 5 (DIN 6911)

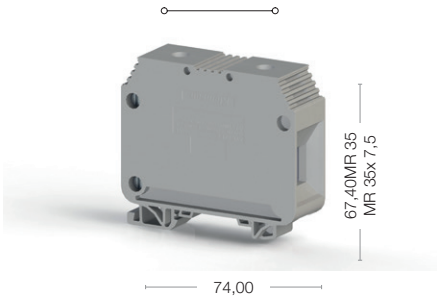
Type	Order No	Qty.
UK 50/2	478 332	5
UK 50/3	478 333	5
UK 50/4	478 334	5

8/3
1/B10
IP 20 / -
KOIP SM W, SLF-P1 W

25 pcs.

AVK 70 PV

Width: 22 mm



Cat No:

304 190 P
304 199 P
304 191 P

Voltage, V ~	Current, A	Cross-Section
1000	192	70 mm²
1000	175	AWG 6-2/0

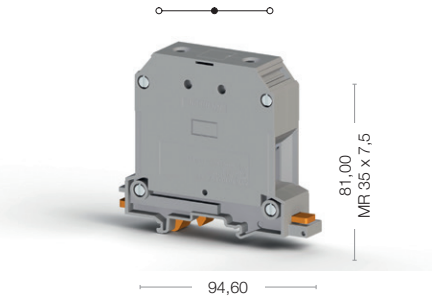
16-70 mm²
16-70 mm²
16-25 mm²
AWG 6-2/0
22-24 mm
6-12 Nm
S 6 (DIN 6911)

8/3
1/A11
IP 20 / -
D-NS 12x10, D-NS 14x10, DG 10/10

25 pcs.

AVK 70 RD PV

Width: 22 mm



Cat No:

304 490 P
304 499 P
304 491 P

Voltage, V ~	Current, A	Cross-Section
1000	192	70 mm²
1000	175	AWG 6-2/0

16-70 mm²
16-70 mm²
16-25 mm²
AWG 6-2/0
22-24 mm
6-12 Nm
S 6 (DIN 6911)

Type	Order No	Qty.
UK 70/2	478 372	5
UK 70/3	478 373	5
UK 70/4	478 374	5

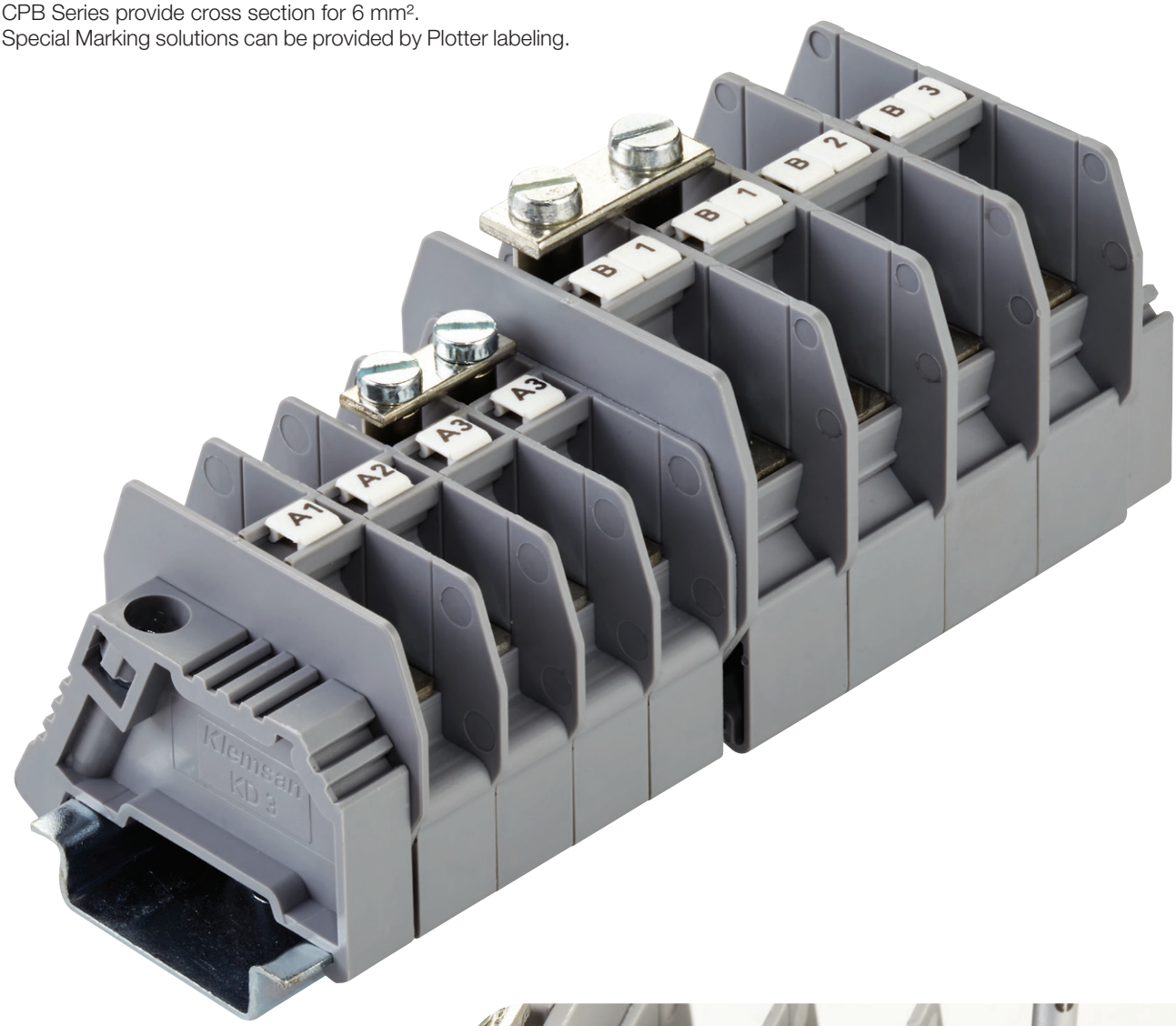
8/3
1/A11
IP 20 / -
D-NS 12x10, DG 10/10, SLF-P1 W

10 pcs.

CPB Series Terminals

CPB Series Ring and Fork Type Plug inTerminals are suitable for heavy industries and provide practical safe connection. For series, cable assembly is done with insulated ring type terminals. With this feature, they are preferred in iron and steel plants, mining industry and medium voltage modular units. CPB Series provide cross section for 6 mm². Comb connector and End plate are available. Special Marking solutions can be provided by Plotter labeling.

Cable assembly for CPB Series is done with insulated fork type terminals.
CPB Series provide cross section for 6 mm².
Special Marking solutions can be provided by Plotter labeling.

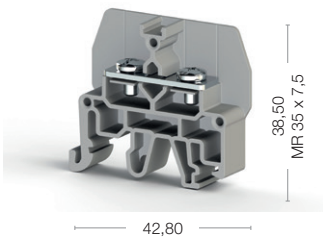




PB - CPB Series Feed Through and Earth Terminals

CPB 6

Width: 9,50 mm

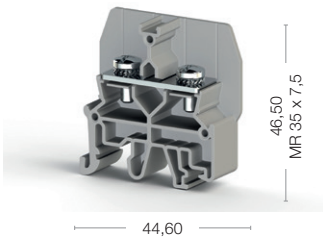


Cat No:

326 809
326 800

CPB 6 B

Width: 13 mm

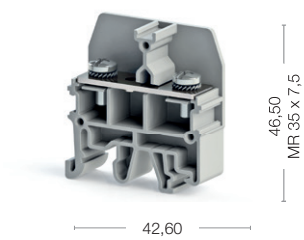


Cat No:

326 819
326 810

CPB 6 U

Width: 13 mm



Cat No:

326 829

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	800	41	6 mm²	800	57	10 mm²	500	57	10 mm²
UL									
VDE (IEC 60947-7-1)									
CSA									
ATEX									

Connection Data			
Conductor cross section solid (min-max.)	0,5-6 mm²	0,5-10 mm²	0,5-10 mm²
Conductor cross section stranded (min.-max.)	0,5-6 mm²	0,5-10 mm²	0,5-10 mm²
AWG Conductor	AWG 20-10	AWG 20-8	AWG 20-8
Torque (min-max.)	0,8-1,2 Nm	1,2-1,8 Nm	1,2-1,8 Nm
Bolt Diameter	3,5 mm	4 mm	4 mm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)

End Plate - Disconnect Plate



Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
NPP CPB 6	450 289	50	NPP/CPB 6	450 299	50	NPP/CPB 6	450 299	50

Comb Connection





Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
UK 9,5/2	480 192	25	UK 13/2	480 202	25	UK 13/2	480 202	25
UK 9,5/3	480 193	20	UK 13/3	480 203	20	UK 13/3	480 203	20
UK 9,5/4	480 194	15	UK 13/4	480 204	15	UK 13/4	480 204	15
UK 9,5/7	480 197	10	UK 13/7	480 207	10	UK 13/7	480 207	10
UK 9,5/10	480 199	5	UK 13/10	480 209	5	UK 13/10	480 209	5

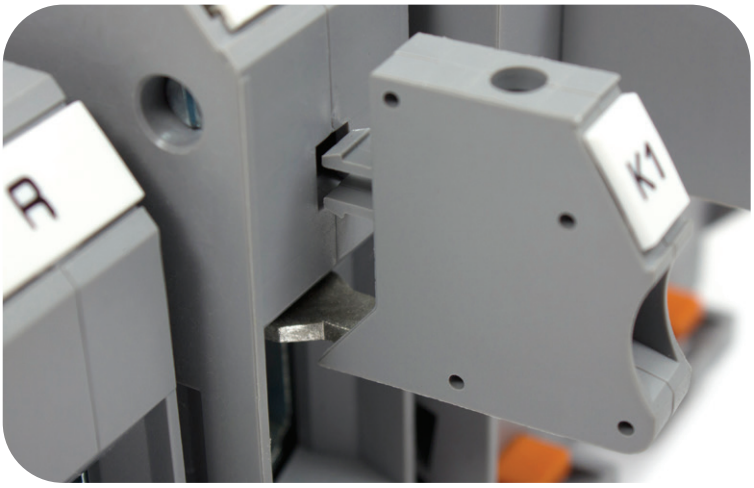
Technical Data			
Rated Impulse Voltage / Pollution severity	8/3	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA	1/NA
Protection class / Protection conductor type	IP 20	IP 20	IP 20
Marking Tags (Dekafix)			
See pages 326-333 for a list of Dekafix	D-NS 5x6, DB 5, DG 6/5	D-NS 5x6, DB 5, DG 6/5	D-NS 5x6, DB 5, DG 6/5

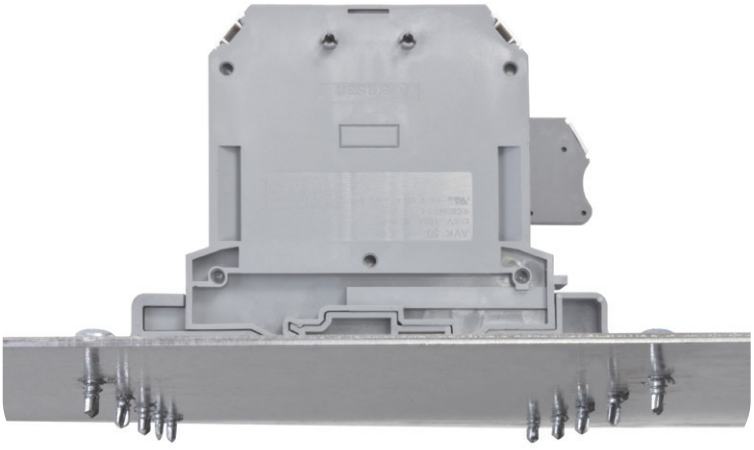
Package Quantity			
	50 pcs.	25 pcs.	25 pcs.

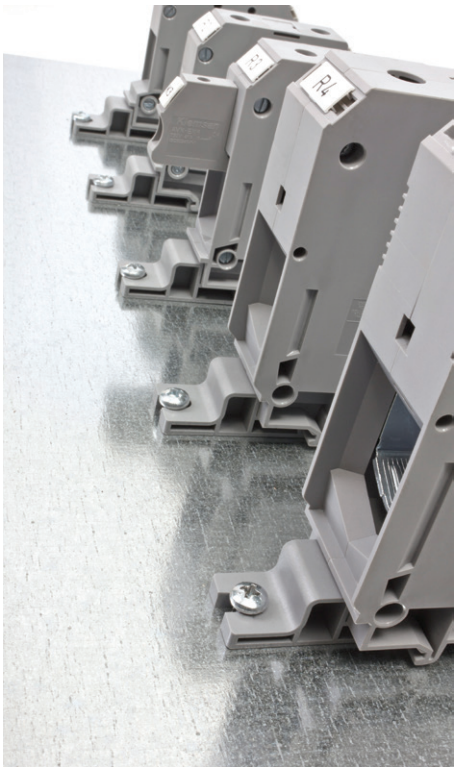
High Current / PB Series / Bolt Connection Terminals

AVK Series Screw Connection High Current Terminals provide 50 ….. 240 mm² cross-section range. Cross Connection can be used for terminals with all cross-sections. These terminal blocks are fixed to each other via pins on sides, providing a rigid performance on DIN Rail and easy montage advantages in constricted environments where connection with Insulated Terminals are difficult. EK-6 terminals are used for taking additional cable (for signals etc.) from high current (big cross sectioned) terminal blocks. Marking solutions can be provided by Plotter Labeling.

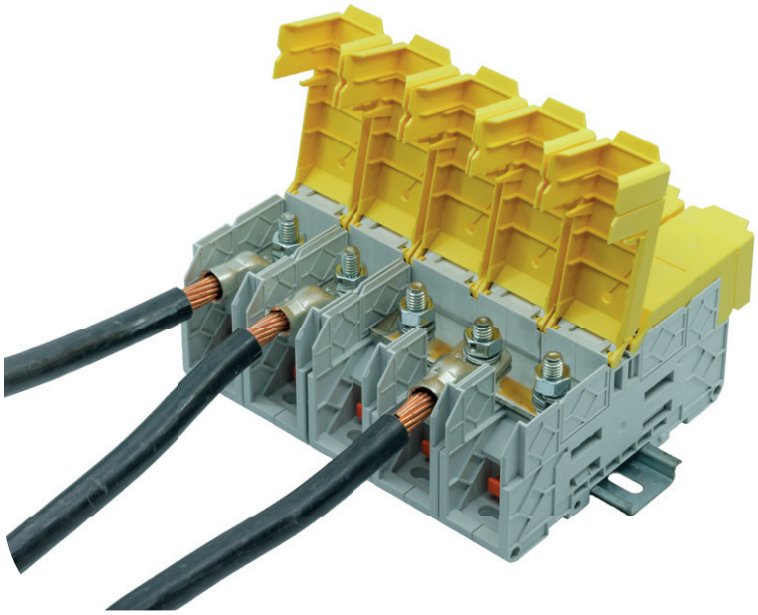








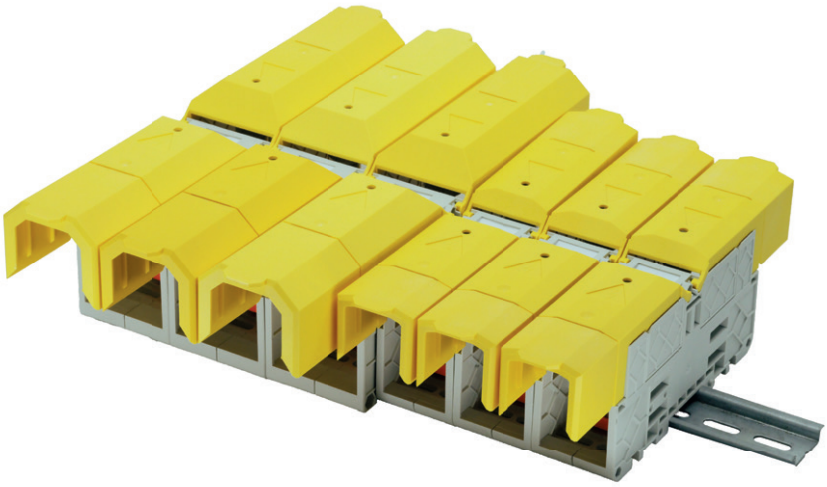
For the panels where connection on DIN Rails are not possible, AVK PB Series Screw Connection High Current Terminal is a good alternative where it can be mounted directly into the base of the cabinet with screws. These terminals have all the same features as High Current Terminals mounted on DIN-Rail. Special Marking solutions for each cross section can be provided by Plotter Labeling.



The Klemsan PAK Series Terminal Blocks provide high current carrying capacity and ensure secure connections, as they are:

- Fully insulated with its cover and enclosure structures
- In compliance with EN 45545-2 and UL-94 standards
- In the V0 inflammability class
- Compatible with different cable lugs

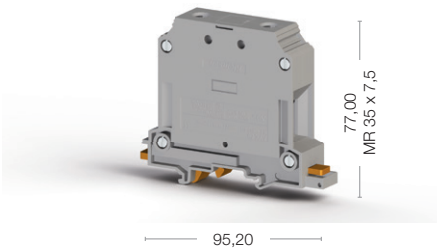




High Current Terminals

AVK 50

Width: 20 mm



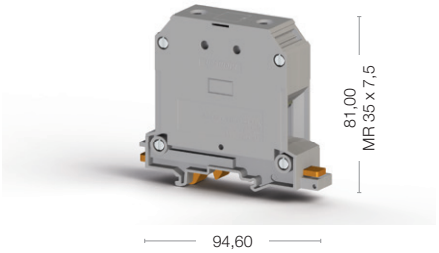
Cat No:

304 330
304 339

Hexagon Socket Screw

AVK 70 RD

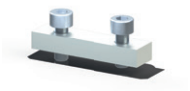
Width: 22 mm



Cat No:

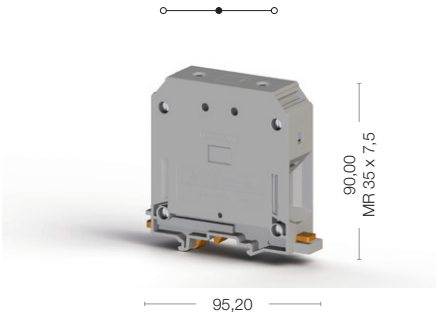
304 490
304 499

Hexagon Socket Screw

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	150	50 mm²	1000	192	70 mm²
UL	600	150	AWG 6-1/0	600	175	AWG 6-2/0
VDE (IEC 60947-7-1)						
CSA						
ATEX	800	133	16-50 mm²	630	162	16-70 mm²
Connection Data						
Conductor cross section solid (min-max.)	16-70 mm²			16-70 mm²		
Conductor cross section stranded (min.-max.)	25-50 mm²			16-70 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	10-16 mm²			16-25 mm²		
AWG Conductor	AWG 10-1/0			AWG 6-2/0		
Insulation Stripping Length (min.-max.)	22-24 mm			22-24 mm		
Torque (min-max.)	6-10 Nm			6-12 Nm		
Screwdriver	S5 (DIN 6911)			S6 (DIN 6911)		
Cross Connection	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	UK 50/2	478 332	5	UK 70/2	478 372	5
	UK 50/3	478 333	5	UK 70/3	478 373	5
	UK 50/4	478 334	5	UK 70/4	478 374	5
AVK / EK6						
						
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/B10			1/A11		
Protection class / Protection conductor type	IP 10 / -			IP 10 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	KOIP SW, SLF-P1 W			KOIP SW, SLF-P1 W		
Package Quantity						
	25 pcs.			10 pcs.		

AVK 95

Width: 25 mm



Cat No:

304 340
304 349

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
1000	232	95 mm²
600	230	AWG 2-4/0
1000	193	35-95 mm²

25-95 mm²
35-95 mm²
16-35 mm²
AWG 4-3/0
26-28 mm
10-15 Nm
S6 (DIN 6911)

Type	Order No	Qty.
UK 95/2	478 342	5
UK 95/3	478 343	5
UK 95/4	478 344	5

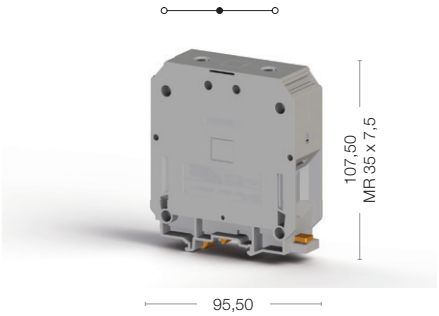
Type	Order No	Qty.
AVK / EK6	304 370	20

8/3
1/B12
IP 10 / -
KOIP SW, SLF-P1 W

6 pcs.

AVK 150

Width: 31 mm



Cat No:

304 350
304 359

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
1000	309	150 mm²
600	270	2-300 kcmil
1000	249	50-150 mm²

35-150 mm²
50-150 mm²
25-50 mm²
AWG 2-300 kcmil
29-31 mm
10-18 Nm
S8 (DIN 6911)

Type	Order No	Qty.
UK 150/2	478 352	5
UK 150/3	478 353	5
UK 150/4	478 354	5

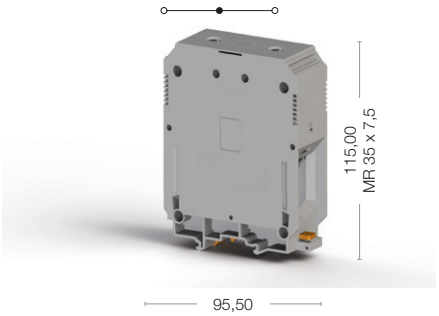
Type	Order No	Qty.
AVK / EK6	304 370	20

8/3
1/B14
IP 10 / -
KOIP SW, SLF-P1 W

4 pcs.

AVK 240

Width: 36 mm



Cat No:

304 360
304 369

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
1000	415	240 mm²
600	370	2/0-500 kcmil
1000	337	70-240 mm²

50-240 mm²
70-240 mm²
35-50 mm²
AWG 2/0-500 kcmil
33-35 mm
10-20 Nm
S8 (DIN 6911)

Type	Order No	Qty.
UK 240/2	478 362	5
UK 240/3	478 363	5
UK 240/4	478 364	5

Type	Order No	Qty.
AVK / EK6	304 370	20

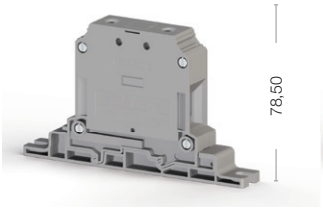
8/3
1/A16
IP 10 / -
KOIP SW, SLF-P1 W

4 pcs.

PB Series Terminals
Panel Mount Terminals

AVK PB 50

Width: 20 mm



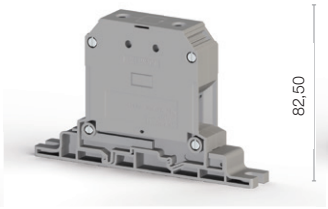
Cat No:

304 440
304 449

Hexagon Socket Screw

AVK PB 70 RD

Width: 22 mm



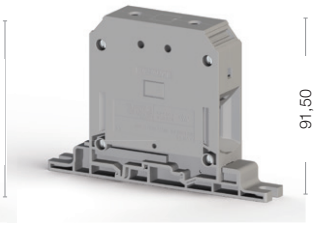
Cat No:

304 450
304 459

Hexagon Socket Screw

AVK PB 95

Width: 25 mm



Cat No:

304 460
304 469

Hexagon Socket Screw

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	150	50 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	192	70 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

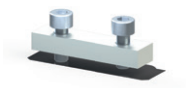
Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	232	95 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	16-70 mm²
Conductor cross section stranded (min.-max.)	25-50 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	10-16 mm²
AWG Conductor	AWG 10-1/0
Insulation Stripping Length (min.-max.)	22-24 mm
Torque (min-max.)	6-10 Nm
Screwdriver	S5 (DIN 6911)

Connection Data	
Conductor cross section solid (min-max.)	16-70 mm²
Conductor cross section stranded (min.-max.)	16-70 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	16-25 mm²
AWG Conductor	AWG 6-2/0
Insulation Stripping Length (min.-max.)	22-24 mm
Torque (min-max.)	6-12 Nm
Screwdriver	S6 (DIN 6911)

Connection Data	
Conductor cross section solid (min-max.)	25-95 mm²
Conductor cross section stranded (min.-max.)	35-95 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	16-35 mm²
AWG Conductor	AWG 4-3/0
Insulation Stripping Length (min.-max.)	26-28 mm
Torque (min-max.)	10-15 Nm
Screwdriver	S6 (DIN 6911)

Cross Connection



Type	Order No	Qty.
UK 50/2	478 332	5
UK 50/3	478 333	5
UK 50/4	478 334	5

Type	Order No	Qty.
UK 70/2	478 372	5
UK 70/3	478 373	5
UK 70/4	478 374	5

Type	Order No	Qty.
UK 95/2	478 342	5
UK 95/3	478 343	5
UK 95/4	478 344	5

AVK / EK6



Type	Order No	Qty.
AVK / EK6	304 370	20

Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B10
Protection class / Protection conductor type	IP 10 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	KOIP SW, SLF-P1 W

Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A11
Protection class / Protection conductor type	IP 10 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	KOIP SW, SLF-P1 W

Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B12
Protection class / Protection conductor type	IP 10 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	KOIP SW, SLF-P1 W

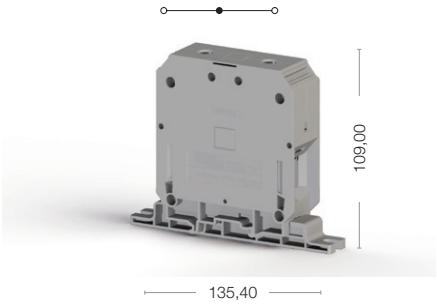
Package Quantity	
	6 pcs.

Package Quantity	
	6 pcs.

Package Quantity	
	6 pcs.

AVK PB 150

Width: 31 mm



Cat No:

304 470
304 479

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
1000	309	150 mm²

35-150 mm²
50-150 mm²
25-50 mm²
AWG 2/300 kcmil
29-31 mm
10-18 Nm
S8 (DIN 6911)

Type	Order No	Qty.
UK 150/2	478 352	5
UK 150/3	478 353	5
UK 150/4	478 354	5

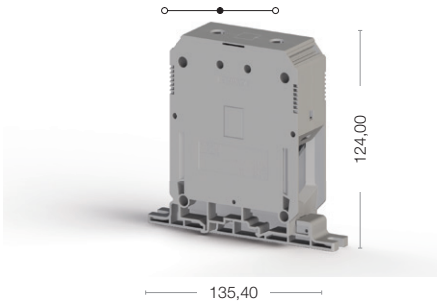
Type	Order No	Qty.
AVK / EK6	304 370	20

8/3
1/B14
IP 10 / -
KOIP SW, SLF-P1 W

4 pcs.

AVK PB 240

Width: 36 mm



Cat No:

304 480
304 489

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
1000	415	240 mm²

50-240 mm²
70-240 mm²
35-50 mm²
AWG 2/0 500 kcmil
33-35 mm
10-20 Nm
S8 (DIN 6911)

Type	Order No	Qty.
UK 240/2	478 362	5
UK 240/3	478 363	5
UK 240/4	478 364	5

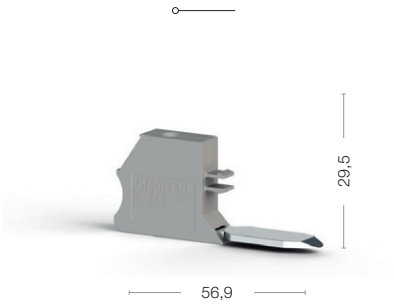
Type	Order No	Qty.
AVK / EK6	304 370	20

8/3
1/A16
IP 10 / -
KOIP SW, SLF-P1 W

6 pcs.

AVK EK 6

Width: 8,0 mm



Cat No:

304 370

Hexagon Socket Screw

Voltage, V ~	Current, A	Cross-Section
750	41	6 mm²

0,2-10 mm²
0,5-4 mm²
AWG 24-8
0,8-1,2 Nm
IKTD4 (0,8x4)

Type	Order No	Qty.
UK 95/2	478 342	5
UK 95/3	478 343	5
UK 95/4	478 344	5

Type	Order No	Qty.
AVK / EK6	304 370	20

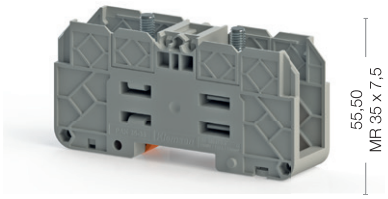
8/3
1/A4
IP 20 / -
DG 10/8

20 pcs.

PAK Series

PAK 25-35

Width: 27 mm

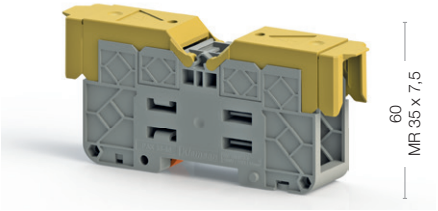


Cat No:

313 009

PAK 25-35 KK

Width: 27 mm



Cat No:

313 019

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	1000	125	2,5-50 mm²	1000	125	2,5-50 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Connection in acc. with standard	DIN 46234 / DIN46235	DIN 46234 / DIN46235
Cable lugs DIN 46234	2,5 - 50 mm²	2,5 - 50 mm²
Cable lugs DIN 46235	6 - 25 mm²	6 - 25 mm²
Cable lugs DIN 46234	14 - 1/0 AWG	14 - 1/0 AWG
Cable lugs DIN 46235	10 - 4 AWG	10 - 4 AWG
Bolt	M 6	M 6
Tightening torque, min	3 Nm	3 Nm
Tightening torque max	6 Nm	6 Nm

Protection Cover



Type	Order No	Qty.	Type	Order No	Qty.
COVER PAK 25-35	466 173	10			
	466 171				
	466 172T				
Yellow					
Blue					
Yellow-Green					

Comb Connection



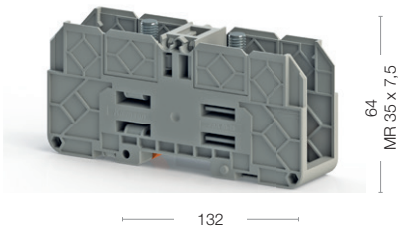
Type	Order No	Qty.	Type	Order No	Qty.
UK 35/2	472 002	5	UK 35/2	472 002	5
UK 35/3	472 003	5	UK 35/3	472 003	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20	IP 20
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DG 10/6, D-NS 12x10, SLF-P1W	DG 10/6, D-NS 12x10, SLF-P1W

Package Quantity		
	10 pcs.	10 pcs.

PAK 50-70

Width: 31,80 mm



Cat No:

313 049

Voltage, V ~	Current, A	Cross-Section
1000	192	2,5-95 mm²

DIN 46234 / DIN 46235
2,5 - 95 mm²
16 - 70 mm²
14 - 3/0 AWG
6 - 2/0 AWG
M 8
6 Nm
12 Nm

Type	Order No	Qty.
COVER PAK 50-70	466 183	10
	466 181	
	466 182T	

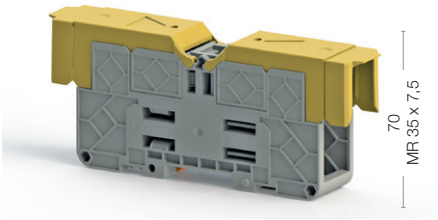
Type	Order No	Qty.
UK 70/2	472 012	5
UK 70/3	472 013	5

8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, SLF-P1W

10 pcs.

PAK 50-70 KK

Width: 31,80 mm



Cat No:

313 059

Voltage, V ~	Current, A	Cross-Section
1000	192	2,5-95 mm²

DIN 46234 / DIN 46235
2,5 - 95 mm²
16 - 70 mm²
14 - 3/0 AWG
6 - 2/0 AWG
M 8
6 Nm
12 Nm

Type	Order No	Qty.

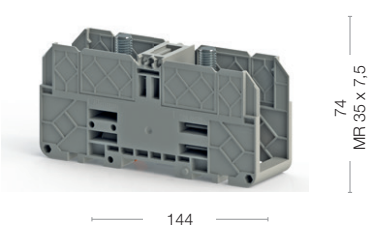
Type	Order No	Qty.
UK 70/2	472 012	5
UK 70/3	472 013	5

8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, SLF-P1W

10 pcs.

PAK 95-150

Width: 41 mm



Cat No:

313 089

Voltage, V ~	Current, A	Cross-Section
1000	309	6-150 mm²

DIN 46234 / DIN 46235
6 - 150 mm²
16 - 150 mm²
10 AWG - 300 kcmil
6 AWG - 300 kcmil
M 10
10 Nm
20 Nm

Type	Order No	Qty.
COVER PAK 95-150	466 193	10
	466 191	
	466 192T	

Type	Order No	Qty.
UK 150/2	472 022	5
UK 150/3	472 023	5

8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W

5 pcs.

PAK Series

PAK 95-150 KK

Width: 41 mm

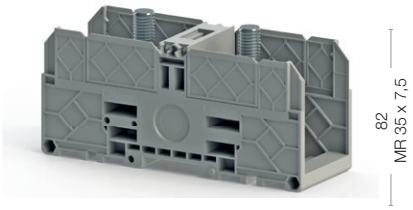


Cat No:

313 099

PAK 185-240

Width: 55 mm



Cat No:

313 129

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	1000	309	6-150 mm²	1000	415	10-240 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Connection in acc. with standard	DIN 46234 / DIN 46235	DIN 46234 / DIN 46235
Cable lugs DIN 46234	6 - 150 mm²	10 - 240 mm²
Cable lugs DIN 46235	16 - 150 mm²	25 - 240 mm²
Cable lugs DIN 46234	10 AWG - 300 kcmil	8 AWG - 500 kcmil
Cable lugs DIN 46235	6 AWG - 300 kcmil	4 AWG - 500 kcmil
Bolt	M 10	M 12
Tightening torque, min	10 Nm	14 Nm
Tightening torque max	20 Nm	30 Nm

Protection Cover



Type	Order No	Qty.	Type	Order No	Qty.
			COVER PAK 185-300	466 203	10
				466 201	
				466 202T	
Yellow					
Blue					
Yellow-Green					

Comb Connection



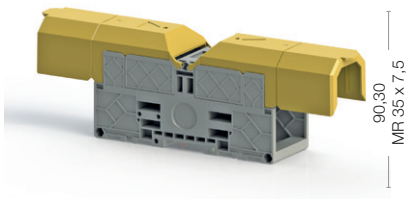
Type	Order No	Qty.	Type	Order No	Qty.
UK 150/2	472 022	5	UK 240/2	472 032	5
UK 150/3	472 023	5	UK 240/3	472 033	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20	IP 20
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W	DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W

Package Quantity		
	5 pcs.	5 pcs.

PAK 185-240 KK

Width: 55 mm



Cat No:

313 139

Voltage, V ~	Current, A	Cross-Section
1000	415	10-240 mm²

DIN 46234 / DIN 46235
10 - 240 mm²
25 - 240 mm²
8 AWG - 500 kcmil
4 AWG - 500 kcmil
M 12
14 Nm
30 Nm

Type	Order No	Qty.

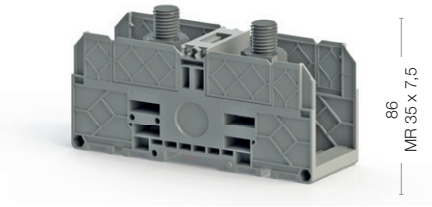
Type	Order No	Qty.
UK 240/2	472 032	5
UK 240/3	472 033	5

8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W

5 pcs.

PAK 300

Width: 55 mm



Cat No:

313 169

Voltage, V ~	Current, A	Cross-Section
1000	520	25-300 mm²

DIN 46234 / DIN 46235
25 - 240 mm²
50 - 300 mm²
4 AWG - 500 kcmil
1/0 AWG - 600 kcmil
M 16
25 Nm
35 Nm

Type	Order No	Qty.
COVER PAK 185-300	466 203	10
	466 201	
	466 202T	

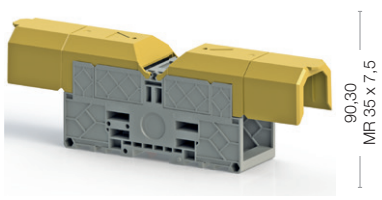
Type	Order No	Qty.
UK 300/2	472 042	5
UK 300/3	472 043	5

8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W

5 pcs.

PAK 300 KK

Width: 55 mm



Cat No:

313 179

Voltage, V ~	Current, A	Cross-Section
1000	520	25-300 mm²

DIN 46234 / DIN 46235
25 - 240 mm²
50 - 300 mm²
4 AWG - 500 kcmil
1/0 AWG - 600 kcmil
M 16
25 Nm
35 Nm

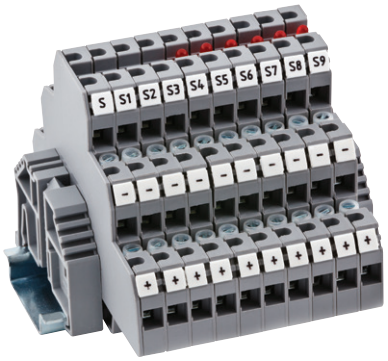
Type	Order No	Qty.

Type	Order No	Qty.
UK 300/2	472 042	5
UK 300/3	472 043	5

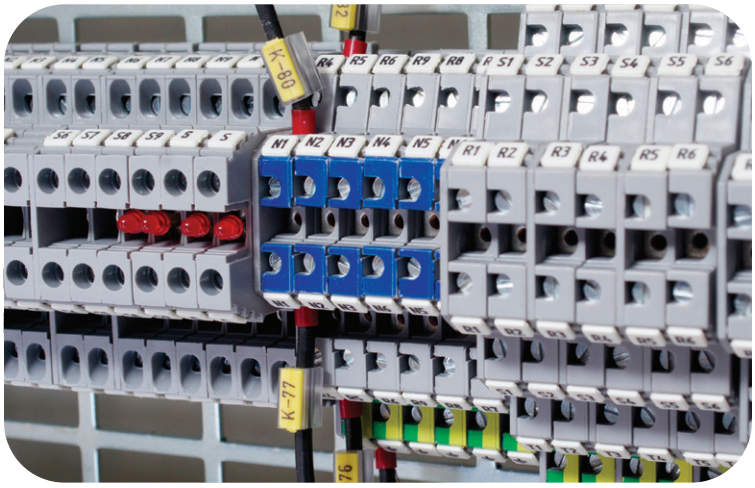
8/3
1/NA
IP 20
DG 10/6, D-NS 12x10, D-NS 14x10, SLF-P1W

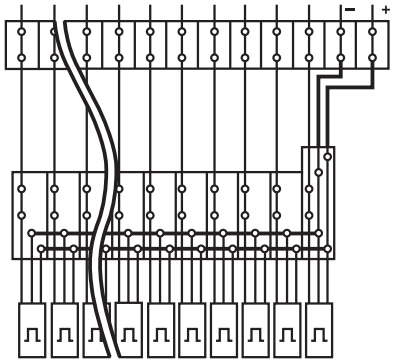
5 pcs.

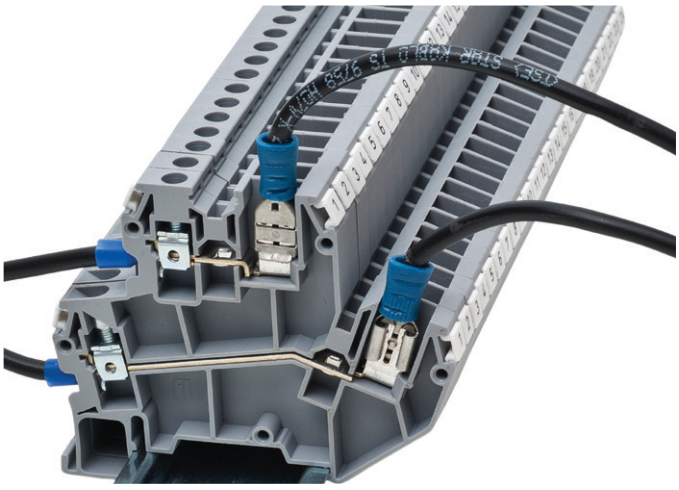
Screw Type Multilevel / Sensor Terminals

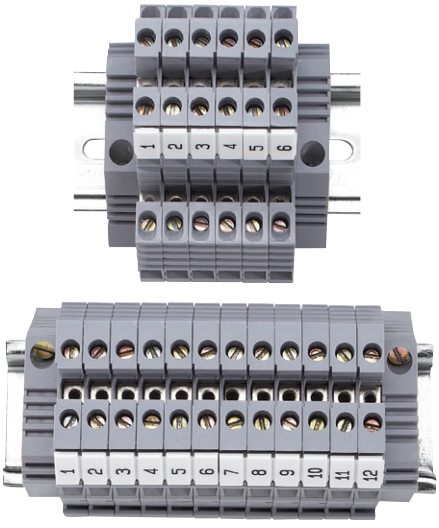


PUK Series Screw Connection Sensor Terminals are making sensor connections, which are often used in industry, more practical and esthetic. Provide individual cross connections for each layer, time saving in mounting process. Terminals can be used with NPN and PNP types of sensors. Special Marking solutions for each cross section can be provided by Plotter Labeling.





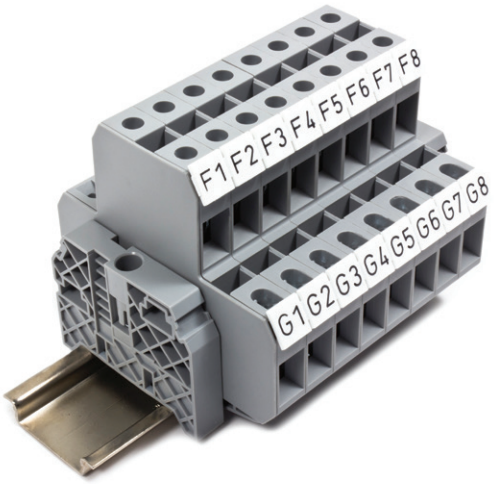


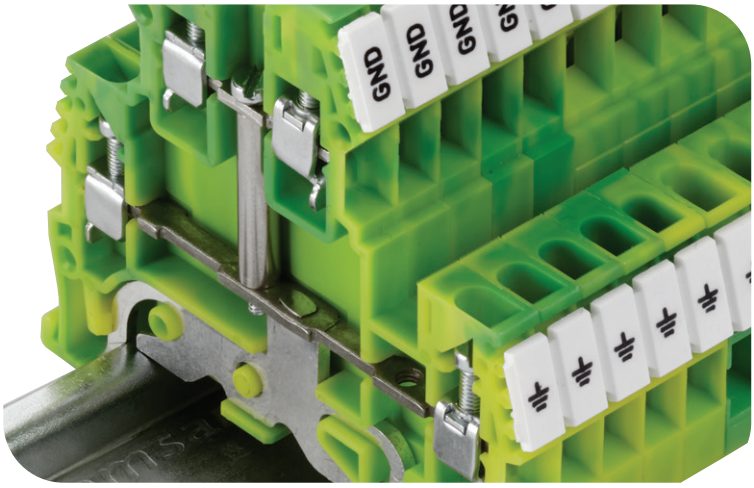


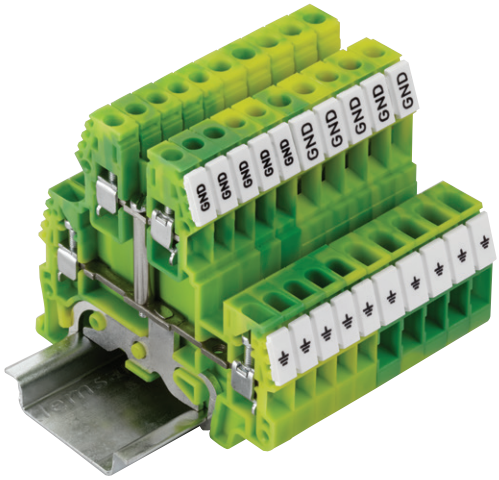
50% space saving

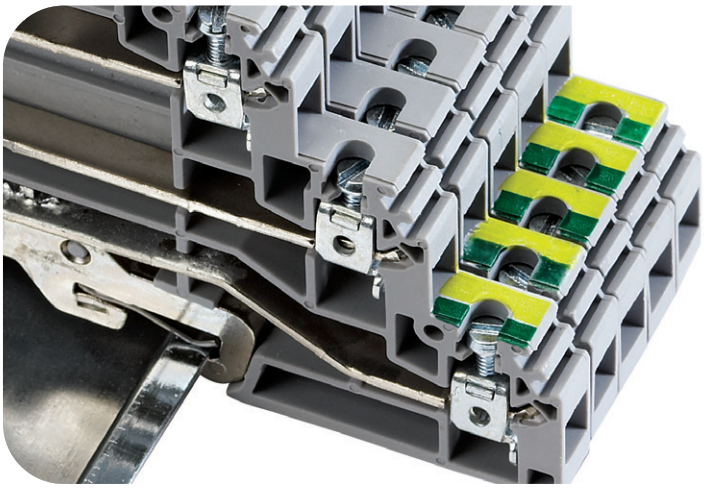
PIK Series Screw Connection Double-Deck Rail Terminals provide 2,5 - 4 - 10 mm² cross-section range. Double wiring density available without extension of mounting rails. Interconnection / shorting can be done at both layers. Special Marking solutions for each cross section can be provided by Plotter Labeling. The color of products can be selected from the color table.

Fine strand wire up to16 mm² cross-section can be used in panels with limited space. PIK series terminals allow you to make more connections in less space. Usage with Cross Connections gains features of distribution block. Special Marking solutions for each cross section can be provided by Plotter Labeling.

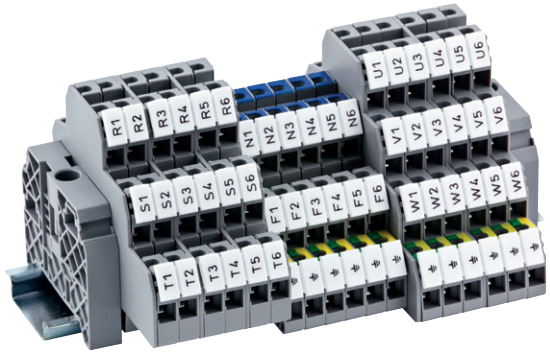








Double Deck Earth Terminals can be used in panels with limited space. Multipole connection on a single block and cross connection on both levels provide practical Earth connection. Special Marking solutions for each cross section can be provided by Plotter Labeling.

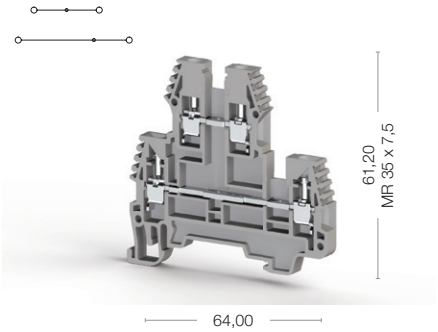


PUK Series Screw Connection Multilevel terminals provides solutions for different users' needs. They are ideal for limited spaces with their compact designs. In panels which exist switch lines & lightening, provide phase-neutral-Earth connection in one terminal. PUK Series are ideal for usage in industries where motors are working a lot, with practical wiring. Cross connection can be used on each level.
Special Marking solutions for each cross section can be provided by Plotter Labeling.

Screw Type Double - Deck Terminals

PIK 2,5 N

Width: 5 mm



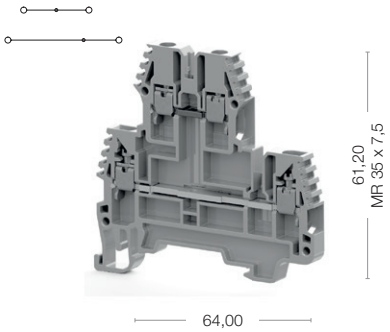
Cat No:

317 109
317 100
317 100

PIK 2,5 RD

push-in cross connection

Width: 5 mm



Cat No:

325 249
325 241
325 240

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 26-12			
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	19	0,5-2,5 mm²			

Connection Data		
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-4 mm²
Conductor cross section stranded (min.-max.)	0,2-4 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-1,5 mm²
AWG Conductor	AWG 24-12	AWG 24-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque (min-max.)	0,4-0,6 Nm	0,4-0,6 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data

Technical Data For Diode

Diode Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PIK 2,5-4 N	449 019	25	NPP/PIK 2,5-4 N	449 019	25

Small Partition



Type	Order No	Qty.
AD 1	467 919	100

Cross Connection





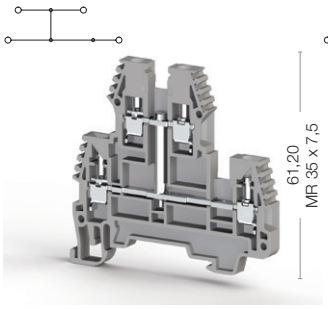
Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	474 122	25	UK 2,5/2	476 222	25
UK 2,5/3	474 123	20	UK 2,5/3	476 223	20
UK 2,5/4	474 124	15	UK 2,5/4	476 224	15
UK 2,5/10	474 129	5	UK 2,5/10	476 229	5
UK 2,5/50	474 210	20	UK 2,5/16	474 260	10
			UK 2,5/20	474 200	10
			UK 2,5/50	476 350	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

Package Quantity		
	100 pcs.	100 pcs.

PIK 2,5 NK

Width: 5 mm



Cat No:

317 129
317 121
317 120

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 26-12
400	19	0,5-2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

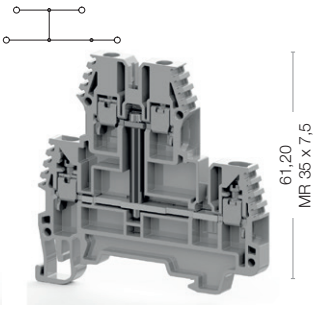
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

20 pcs.

push-in cross connection

PIK 2,5 RDK

Width: 5 mm



Cat No:

325 259
325 250

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PIK 2,5-4 N	449 019	25

Type	Order No	Qty.

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10
UK 2,5/50	476 350	5

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

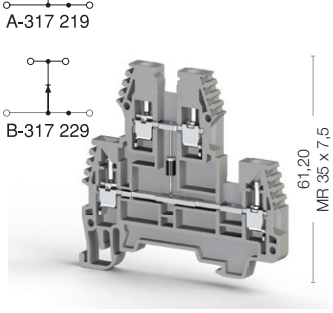
100 pcs.

PIK 2,5 ND

Width: 5 mm

A-317 219

B-317 229



Cat No:

317 219
317 210

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	20	AWG 26-12
400	21,5	

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 2,5 ND A	317 219	20
PIK 2,5 ND B	317 229	20

1000 V
1 A
1 N 4007

Type	Order No	Qty.
NPP/PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

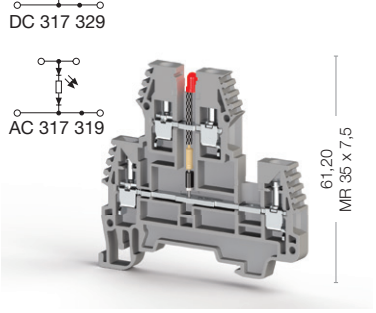
20 pcs.

PIK 2,5 NLD

Width: 5 mm

DC 317 329

AC 317 319



Cat No:

317 319
317 310

Voltage, V ~	Current, A	Cross-Section
	24	2,5 mm²
	20	AWG 26-12
	21,5	

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 2,5 NLD (24AC)	317 319	20
PIK 2,5 NLD (24DC)	317 329	20
PIK 2,5 NLD (48AC)	317 419	20
PIK 2,5 NLD (48DC)	317 429	20
PIK 2,5 NLD (110AC)	317 619	20
PIK 2,5 NLD (110DC)	317 629	20
PIK 2,5 NLD (220AC)	317 719	20
PIK 2,5 NLD (220DC)	317 729	20

Type	Order No	Qty.
NPP/PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

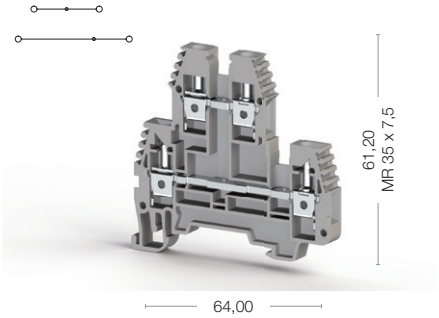
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

20 pcs.

Screw Type Double - Deck Terminals

PIK 4 N

Width: 6 mm



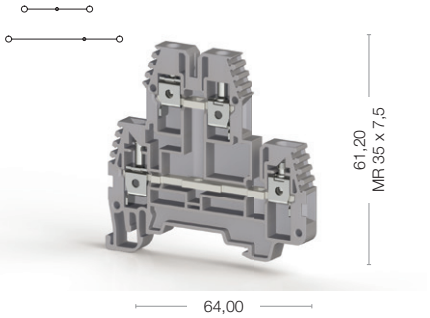
Cat No:

319 109 319 101
319 100

PIK 4 RD

push-in cross connection

Width: 6 mm



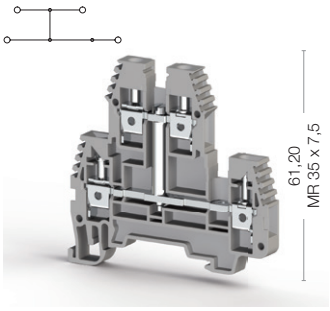
Cat No:

325 349 324 341
325 340

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	32	4 mm²	500	32	4 mm²
UL	300	30	AWG 26-10			
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	26	0,5-4 mm²			
Connection Data						
Conductor cross section solid (min-max.)	0,2-6 mm²			0,2-6 mm²		
Conductor cross section stranded (min.-max.)	0,2-6 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24-10			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,5-0,8 Nm			0,5-0,8 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
Ordering Data						
Technical Data For Diode						
Diode Voltage						
Diode Current						
Diod						
End Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP PIK 2,5-4 N	449 019	25	NPP PIK 4 N	449 019	25
Small Partition	**Type**	**Order No**	**Qty.**			
	AD 1	467 919	100			
Cross Connection	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	UK 4/2	474 132	25	UK 4/2	476 232	25
	UK 4/3	474 133	20	UK 4/3	476 233	20
	UK 4/4	474 134	15	UK 4/4	476 234	15
	UK 4/10	474 139	5	UK 4/10	476 239	5
	UK 4/20	474 180	5	UK 4/50	476 360	5
	UK 4/50	474 190	5			
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4			1/A4		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T			D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T		
Package Quantity						
	100 pcs.			100 pcs.		

PIK 4 NK

Width: 6 mm



Cat No:

319 129
319 121
319 120

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²
300	30	AWG 26-10
400	26	05-4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

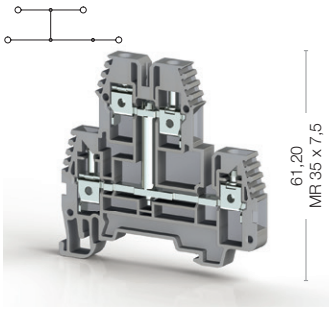
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

PIK 4 RDK

push-in cross connection

Width: 6 mm



Cat No:

325 359
325 350

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP PIK 2,5-4 N	449 019	25

Type	Order No	Qty.

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5
UK 4/50	476 360	5

Note: Only lower decks can be cross-connected

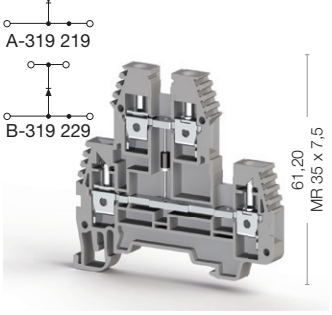
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

100 pcs.

PIK 4 ND

Width: 6 mm

A-319 219
B-319 229



Cat No:

319 219
319 210

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 4 ND A	319 219	20
PIK 4 ND B	319 229	20

1000 V
1 A
1 N 4007

Type	Order No	Qty.
NPP PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

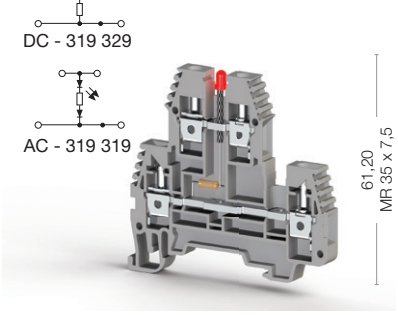
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

PIK 4 NLD

Width: 6 mm

DC - 319 329
AC - 319 319



Cat No:

319 319
319 310

Voltage, V ~	Current, A	Cross-Section
	24	4 mm²
	30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 4 NLD (24AC)	319 319	20
PIK 4 NLD (24DC)	319 329	20
PIK 4 NLD (48AC)	319 419	20
PIK 4 NLD (48DC)	319 429	20
PIK 4 NLD (110AC)	319 619	20
PIK 4 NLD (110DC)	319 629	20
PIK 4 NLD (220AC)	319 719	20
PIK 4 NLD (220DC)	319 729	20

Type	Order No	Qty.
NPP PIK 2,5-4 N	449 019	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

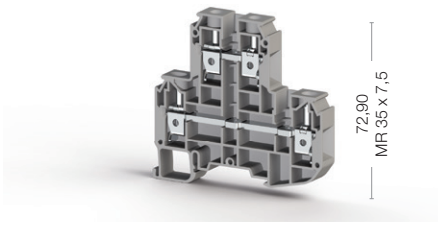
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

Screw Type Double - Deck Terminals

PIK 10 N

Width: 10 mm

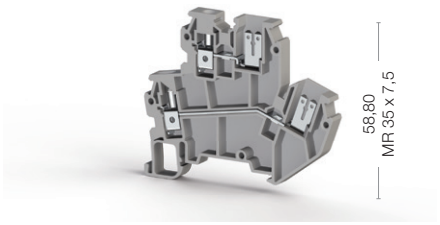


Cat No:

319 909
319 900

PIK 4 FS

Width: 6 mm



Cat No:

319 809
319 800

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	57	10 mm²	400	20	4 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX	500	50	1,5-16 mm²	400	17	0,5-4 mm²

Connection Data						
Conductor cross section solid (min-max.)	1,5-16 mm²			0,2-4 mm²		
Conductor cross section stranded (min.-max.)	1,5-16 mm²			0,2-4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	6 mm²			0,5-1,5 mm²		
AWG Conductor	AWG 16-6			AWG 24-10		
Insulation Stripping Length (min.-max.)	10-12 mm			9-10 mm		
Torque (min-max.)	1,2-1,8 Nm			0,5-0,8 Nm		
Screwdriver	IKTD 4 (0,8x4,0)			IKTD 3 (0,6x3,5)		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PIK 10 N	449 039	25	NPP/PIK 4 FS	449 029	20

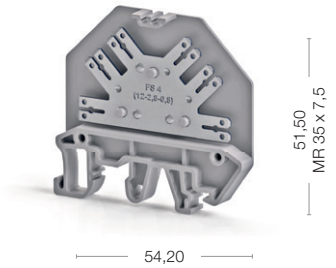
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 10/2	474 152	25	UK 4/2	476 232	25
	UK 10/3	474 153	20	UK 4/3	476 233	20
	UK 10/4	474 154	15	UK 4/4	476 234	15
	UK 10/10	474 159	5	UK 4/10	476 239	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	4/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B6	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5	DB 5

Package Quantity		
	20 pcs.	85 pcs.

FS 4

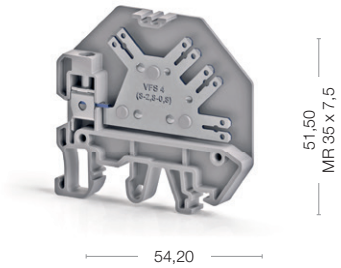
Width: 6,2 mm



Cat No:

VFS 4

Width: 6,2 mm



Cat No:

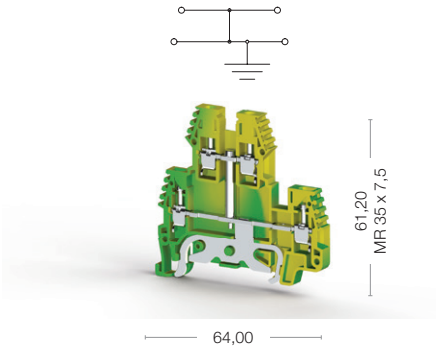
314 019

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	32	4 mm²	800	32	4 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,2-6 mm²			0,2-6 mm²		
Conductor cross section stranded (min.-max.)	0,2-6 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)				0,5-2,5 mm²		
AWG Conductor	AWG 24-10			AWG 24-10		
Insulation Stripping Length (min.-max.)				9-10 mm		
Torque (min-max.)				0,5-0,8 Nm		
Screwdriver	IKT3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
End Plate - Disconnect Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/FS	451 419	50	NPP/FS	451 419	50
Technical Data						
Rated Impulse Voltage / Pollution severity				4/3		
Insulation material group / Gauge pin code according to IEC 60947-1				1/A4		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	DG 10/6, DG 10/6T, DB 10/6, D-NS 6x10			DG 10/6, DG 10/6T, DB 10/6, D-NS 6x10		
Package Quantity						
	80 pcs.			80 pcs.		

Double Deck Earth Terminals

PIK 2,5 NT

Width: 5 mm

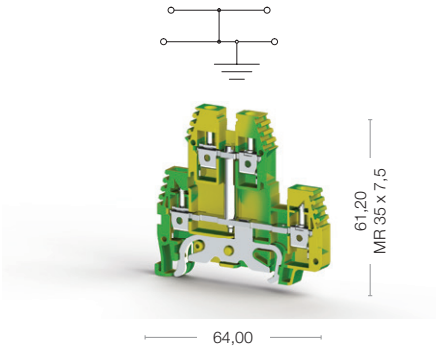


Cat No:

336 560

PIK 4 NT

Width: 6 mm



Cat No:

336 570

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			2,5 mm²			4 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX			0,5-4 mm²			0,5-6 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-6 mm²		
Conductor cross section stranded (min.-max.)	0,2-4 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque	0,4-0,6 Nm			0,5-08 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PIK 2,5 - 4 NT	449 012T	25	NPP/PIK 2,5 - 4 NT	449 012T	25

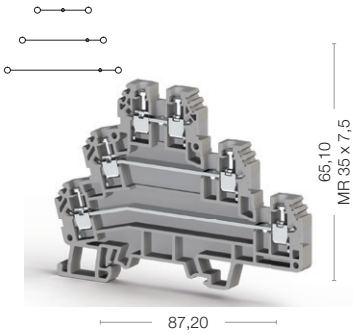
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A4
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

Screw Type Multilevel Terminals

PUK 3

Width: 6 mm

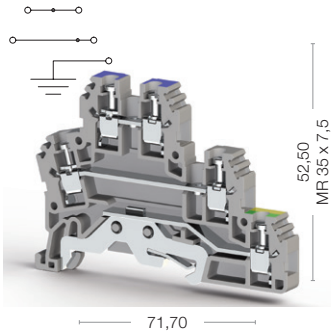


Cat No:

324 109
324 100

PUK 2 T

Width: 6 mm

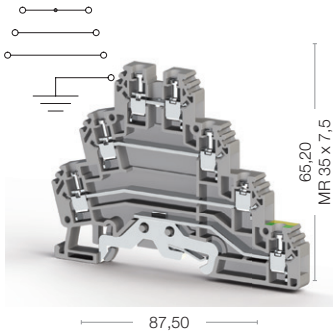


Cat No:

324 209
324 200

PUK 3 T

Width: 6 mm



Cat No:

324 309
324 300

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	440	24	2,5 mm²	440	24	2,5 mm²	440	24	2,5 mm²
UL	300	24	AWG 24-12	300	24	AWG 24-12	300	24	AWG 24-12
VDE (IEC 60947-7-1)									
CSA									
ATEX	400	21	0,5-2,5 mm²	400	21	0,5-2,5 mm²	400	21	0,5-2,5 mm²

Connection Data			
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-4 mm²	0,2-4 mm²
Conductor cross section stranded (min.-max.)	0,2-4 mm²	0,2-4 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-1,5 mm²	0,5-1,5 mm²
AWG Conductor	AWG 24-12	AWG 24-12	AWG 24-12
Insulation Stripping Length (min.-max.)	7-8 mm	7-8 mm	7-8 mm
Torque (min-max.)	0,4-0,6 Nm	0,4-0,6 Nm	0,4-0,6 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
NPP/PUK 3	450 139	10	NPP/PUK 2 T	450 149	10	NPP/PUK 3 T	450 159	10

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	480 132	25	UK 2,5/2	480 132	25	UK 2,5/2	480 132	25
UK 2,5/3	480 133	20	UK 2,5/3	480 133	20	UK 2,5/3	480 133	20
UK 2,5/4	480 134	15	UK 2,5/4	480 134	15	UK 2,5/4	480 134	15
UK 2,5/10	480 139	5	UK 2,5/10	480 139	5	UK 2,5/10	480 139	5
UK 2,5/35	480 140	5	UK 2,5/35	480 140	5	UK 2,5/35	480 140	5
						Note: Only upper decks can be cross-connected		

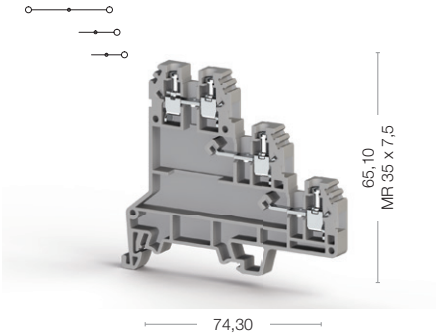
Technical Data			
Rated Impulse Voltage / Pollution severity	6/3	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)			
See pages 326-333 for a list of Dekafix	DB 5	DB 5	DB 5

Package Quantity			
	20 pcs.	20 pcs.	20 pcs.

Screw Type Sensor Terminals

PUK 3 S

Width: 6 mm

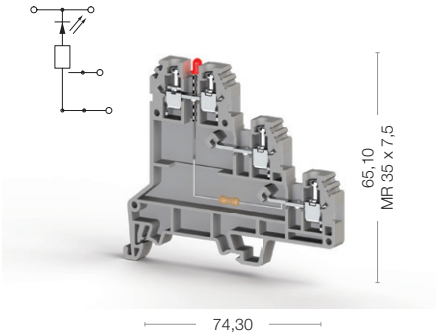


Cat No:

324 409
324 400

PUK 3 SLD (NPN)

Width: 6 mm



Cat No:

324 419
324 410

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	24	2,5 mm²	24	24	2,5 mm²
UL	300	24	AWG 24-12	300	24	AWG 24-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-4 mm²		
Conductor cross section stranded (min.-max.)	0,2-4 mm²			0,2-4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-1,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-12		
Insulation Stripping Length (min.-max.)	7-8 mm			7-8 mm		
Torque (min-max.)	0,4-0,6 Nm			0,4-0,6 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PUK 3 S	450 169	10	NPP/PUK 3 S	450 169	10

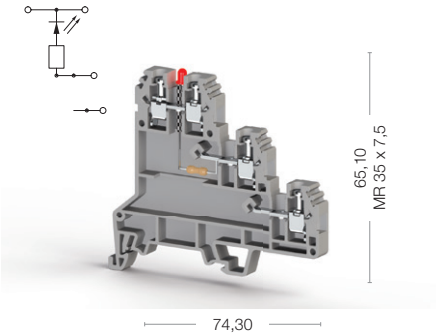
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	480 132	25	UK 2,5/2	480 132	25
	UK 2,5/3	480 133	20	UK 2,5/3	480 133	20
	UK 2,5/4	480 134	15	UK 2,5/4	480 134	15
	UK 2,5/10	480 139	5	UK 2,5/10	480 139	5
	UK 2,5/35	480 140	5	UK 2,5/35	480 140	5

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	DB 5			DB 5		

Package Quantity						
	20 pcs.			20 pcs.		

PUK 3 SLD (PNP)

Width: 6 mm



Cat No:

324 429
324 420

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²
300	24	AWG 24-12

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
7-8 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

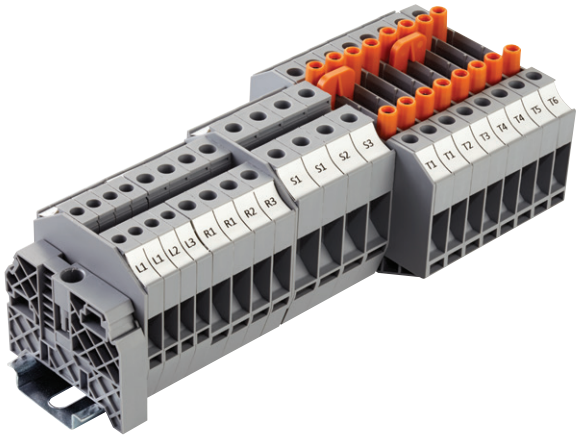
Type	Order No	Qty.
NPP/PUK 3 S	450 169	10

Type	Order No	Qty.
UK 2,5/2	480 132	25
UK 2,5/3	480 133	20
UK 2,5/4	480 134	15
UK 2,5/10	480 139	5
UK 2,5/35	480 140	5

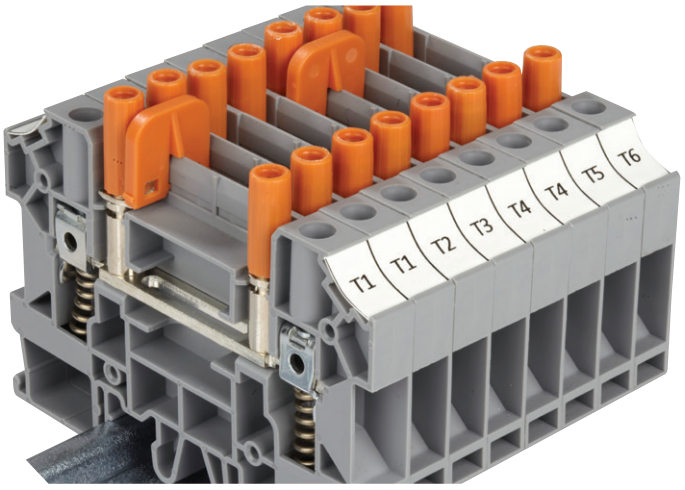
6/3
1/A3
IP 20 / PE
DB 5

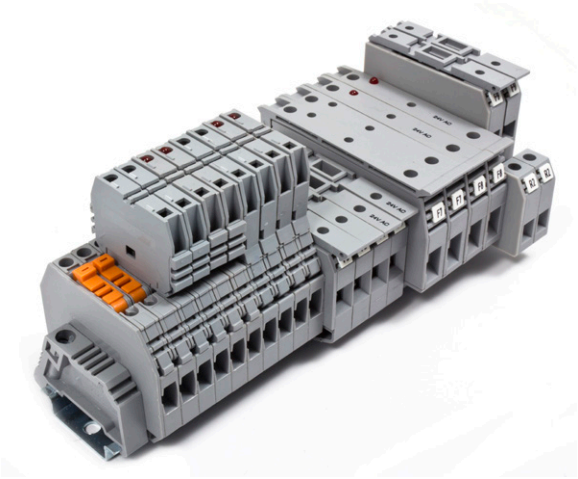
20 pcs.

Screw Connection Disconnect / Test and Disconnect / Fuse Terminals

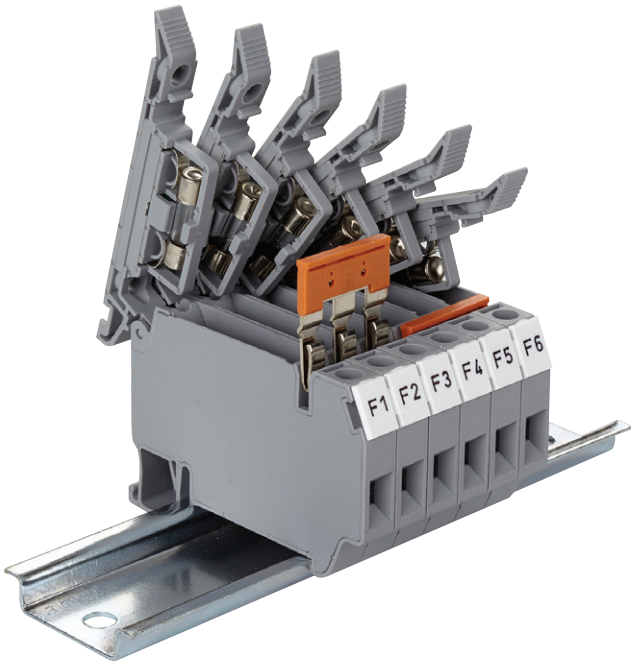


WGO Y Series Test and Disconnect Terminals provide safe connection with spring force under the contact of the terminal block. Practical accessories like sliding cross connection system, isolated Test Sockets, Test Plugs and Comb Connectors are available. Special Marking solutions for each cross section can be provided by Plotter labeling.



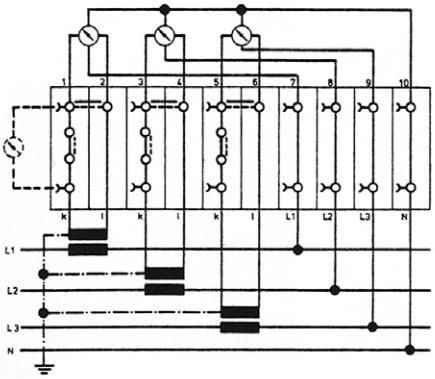


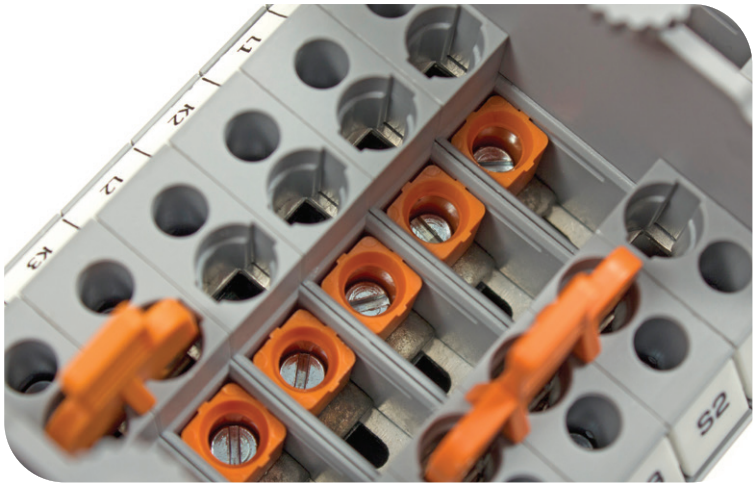


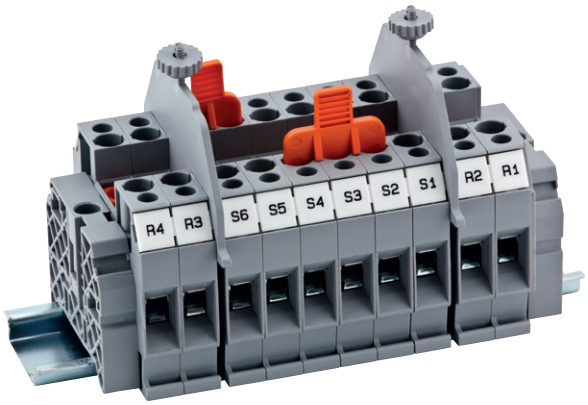


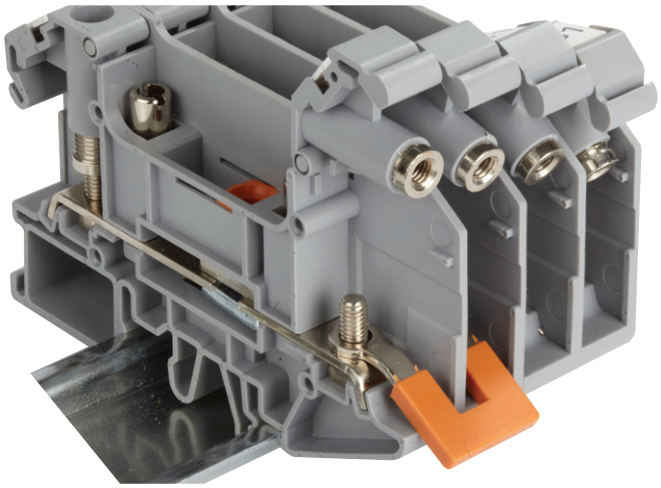
Screw Connection Fuse Rail Terminals Terminals can be used with glass fuse between 1A...10A. The fuse inside of the terminal is easily mounted and dismounted, and is an ideal solution when there is a necessity to change it even when the power is on in the system. Marking solutions can be provided by Plotter Labeling.

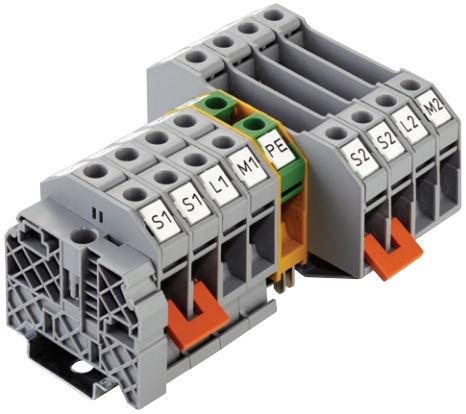
WGO Series Test and Disconnect Terminals are used to perform required tests without switching off the power in the system. These products are installed at the secondary side of current transformers, and thus, electrical ratings can be observed by testing equipment connected to the product. Practical accessories like sliding cross connection system, isolated Test Sockets, Test Plugs and Comb Connectors are available. Special Marking solutions for each cross section can be provided by Plotter labeling.

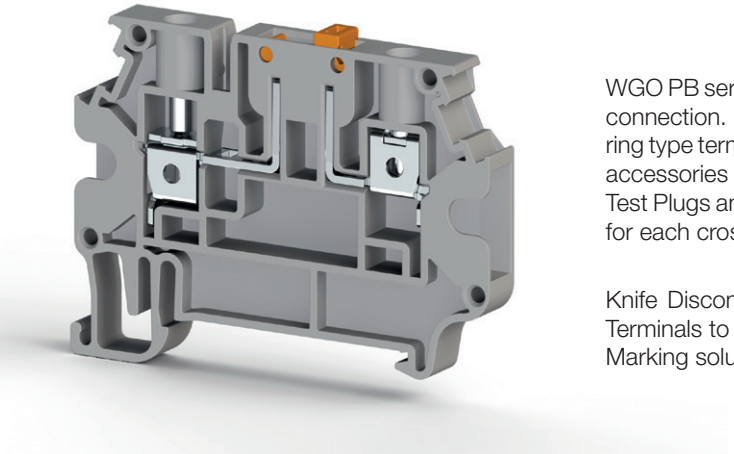












WGO PB series Ring and Fork Type Plug inTerminals provide practical safe connection. For WGO PB series, cable assembly is done with insulated ring type terminals and the terminal blocks have two test sockets. Practical accessories like sliding cross connection system, isolated Test Sockets, Test Plugs and Comb Connectors are available. Special Marking solutions for each cross section can be provided by Plotter labeling.

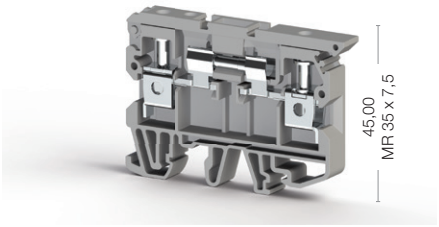
Knife Disconnect System, enables Screw Connection Disconnect Terminals to switch energy in the system.
Marking solutions can be provided by Plotter Labeling.

Disconnect Terminals

ASK 2 B

Width: 8 mm



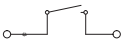


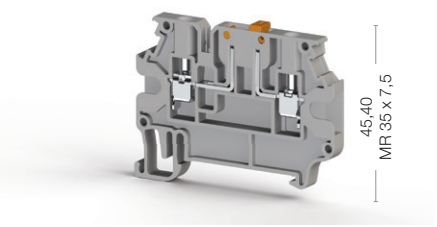
Cat No:

360 119
360 110

AVK 2,5 A

Width: 5 mm





Cat No:

304 419
304 410

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	6,3	6 mm²	500	16	2,5 mm²
UL	300	6,3	AWG 26-8			
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-4 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²	0,5-1,5 mm²
AWG Conductor	AWG 24-8	AWG 24-12
Insulation Stripping Length (min.-max.)	10-12 mm	9-10 mm
Torque (min-max.)	0,8-1,2 Nm	0,4-0,6 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/ASK 2	450 049	25	NPP/AVK 2,5 A	450 330	25

Push-in Cross Connection



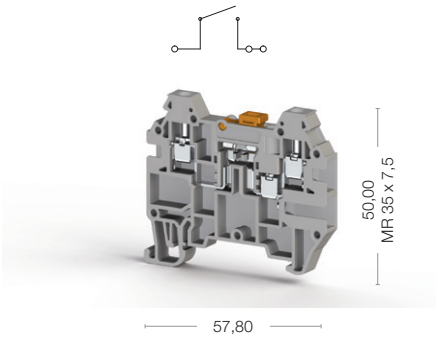
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T SLF-P1 W

Package Quantity		
	25 pcs.	50 pcs.

AVK 2,5 EA

Width: 6 mm



Cat No:

324 949
324 940

Voltage, V ~	Current, A	Cross-Section
400	16	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

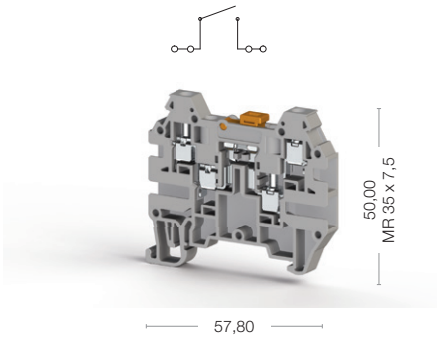
Type	Order No	Qty.
NPP/AVK 2,5 CC	444 139	25

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

80 pcs.

AVK 2,5 CCA

Width: 6 mm



Cat No:

324 939
324 930

Voltage, V ~	Current, A	Cross-Section
400	16	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 2,5 CC	444 139	25

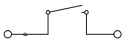
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

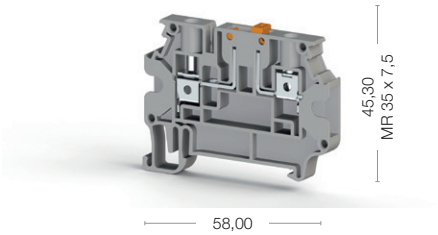
80 pcs.

Disconnect Terminals

AVK 4 A

Width: 6 mm



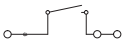


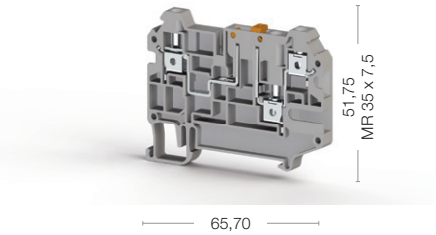
Cat No:

304 380
304 389

AVK 4 CEA

Width: 6 mm





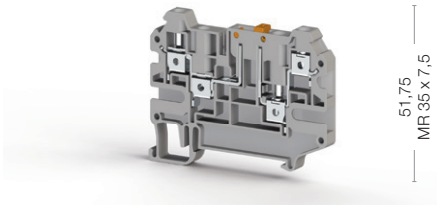
Cat No:

325 239
325 230

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	20	4 mm²	500	20	4 mm²
UL	300	16	AWG 26-10			
VDE (IEC 60947-7-1)						
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,2-6 mm²			0,2-6 mm²		
Conductor cross section stranded (min.-max.)	0,2-6 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 24-10			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,5-0,8 Nm			0,5-0,8 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
End Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/AVK 4 R-A	450 330	25	NPP/AVK 4CEA	450 349	25
Technical Data For Diode						
Diode Voltage						
Diode Current						
Diode						
Push-in Cross Connection	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	UK 4/2	476 232	25	UK 4/2	476 232	25
	UK 4/3	476 233	20	UK 4/3	476 233	20
	UK 4/4	476 234	15	UK 4/4	476 234	15
	UK 4/10	476 239	5	UK 4/10	476 239	5
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4			1/A4		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	DB 10/6, DG 10/6T, D-NS 6x10, SLF-P1W			D-NS 6x10, DB 10/6, DG 10/6, DG 10,6T		
Package Quantity						
	50 pcs.			50 pcs.		

AVK 4 CCA

Width: 6 mm



Cat No:

325 219
325 210

Voltage, V ~	Current, A	Cross-Section
500	20	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 4CCA	450 349	25

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10,6T

50 pcs.

AVK AS

Width: 5,80 mm



Cat No:

498 959
498 950

Voltage, V ~	Current, A	Cross-Section
400	16	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
6-7 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

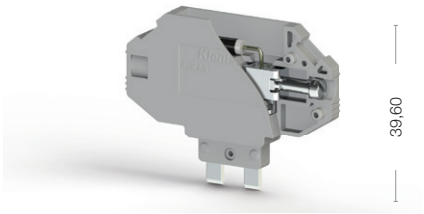
6/3
1/A3
IP 20 / PE
DB 5, DB 10/6, DG 10/6, DG 10/6T, D-NS 6x10

50 pcs.

NOTE: AVK ASD is just used with AVK 4A, AVK 4CEA and AVK 4CCA terminal blocks.

AVK ASD

Width: 5,80 mm



Cat No:

499 059
499 050

Voltage, V ~	Current, A	Cross-Section
400	1	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
6-7 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

1000V
1A
1 N 4007

6/3
1/A3
IP 20 / PE
DB 5, DB 10/6, DG 10/6, DG 10/6T, D-NS 6x10

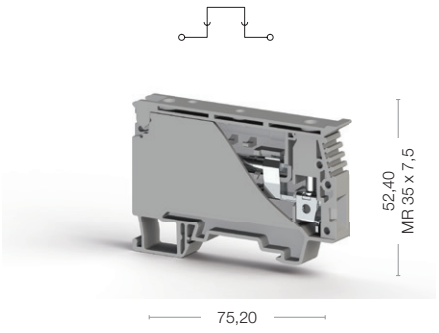
50 pcs.

NOTE: AVK ASD is just used with AVK 4A, AVK 4CEA and AVK 4CCA terminal blocks.

Disconnect Terminals

ASK 4 B

Width: 10 mm

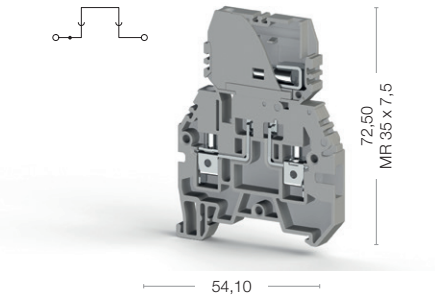


Cat No:

360 129
360 120

ASK 3 FB

Width: 6,2 mm



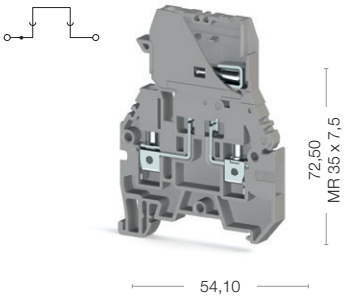
Cat No:

362 009
362 000

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	6,3	6 mm²	500	16	4 mm²
UL	600	6,3	AWG 22-8			
VDE (IEC 60947-7-1)						
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,34-10 mm²			0,2-6 mm²		
Conductor cross section stranded (min.-max.)	0,34-10 mm²			0,2-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²			0,5-2,5 mm²		
AWG Conductor	AWG 22-8			AWG 24-10		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,5-0,8 Nm			0,5-0,8 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
End Plate				**Type**	**Order No**	**Qty.**
				NPP/ASK 3	450 059	10
Push-in Cross Connection						
				UK 4/2	476 232	25
				UK 4/3	476 233	20
				UK 4/4	476 234	15
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5			1/A4		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8			DB 5, DB 10/6, D-NS 6x10, DG 10x6T		
Package Quantity						
	20 pcs.			20 pcs.		

ASK 3 MB

Width: 6,2 mm



Cat No:

363 009
363 000

Voltage, V ~	Current, A	Cross-Section
500	16	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/ASK 3	450 059	10

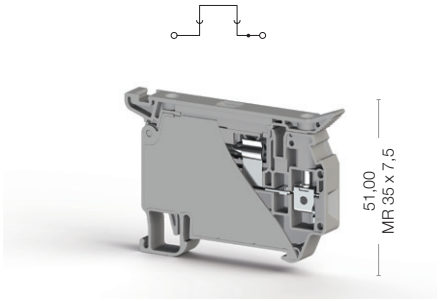
Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15

6/3
1/A4
IP 20 / -
DB 5, DB 10/6, D-NS 6x10, DG 10x6T

20 pcs.

ASK 5 B

Width: 8 mm



Cat No:

353 419
353 410

Voltage, V ~	Current, A	Cross-Section
500	10	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
8-9 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

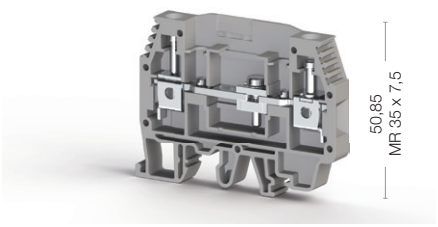
6/3
1/A4
IP 20 / -
D-NS 8x10, DG 10/8

50 pcs.

WGO Series
Test / Disconnect Terminals

WGO 1

Width: 8 mm

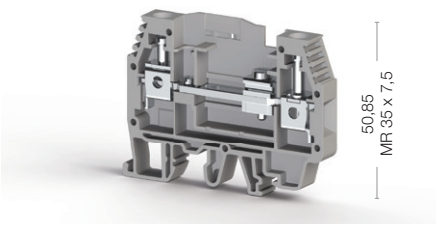


Cat No:

370 590
370 500

WGL 1

Width: 8 mm



Cat No:

375 790
375 700

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	400	41	6 mm²	400	41	6 mm²
UL	300	50	AWG 20-8	300	50	AWG 20-8
VDE (IEC 60947-7-1)						
CSA						
ATEX	250	36	1,5-6 mm²	400	36	0,5-10 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²	0,5-4 mm²
AWG Conductor	AWG 24-8	AWG 24-8
Insulation Stripping Length (min.-max.)	10-12 mm	10-12 mm
Torque (min-max.)	0,8-1,2 Nm	0,8-1,2 Nm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)

Ordering Data	Type	Order No	Qty.	Type	Order No	Qty.
Without Socket - Beige / Grey	WGO 1	370 500 - 590	60	WGL 1	375 700 - 790	60
One Socket - Beige / Grey	WGO 1	370 501 - 591	60	WGL 1	375 701 - 791	60
Double Socket - Beige / Grey						
One Test Socket - Beige / Grey	WGO 1	370 503 - 593	60	WGL 1	375 702 - 792	60
Double Test Socket - Beige / Grey	WGO 1	370 502 - 592	60			

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/WGO 1	450 109	25	NPP/WGO 1	450 109	25

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
IZUK 6/2	476 302	10	IZUK 6/2	476 302	10
IZUK 6/3	476 303	10	IZUK 6/3	476 303	10
IZUK 6/4	476 304	10	IZUK 6/4	476 304	10
IZUK 6/6	476 306	10	IZUK 6/6	476 306	10
IZUK 6/10	476 309	5	IZUK 6/10	476 309	5
WGO UAA	498 300	1	WGO UAA	498 300	1

Test Plug



suitable for test socket types

Type	Order No	Qty.	Type	Order No	Qty.
TF (Ø4)	493 050	10	TF (Ø4)	493 050	10

Comb Connector



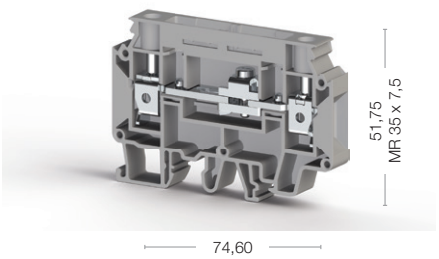
Type	Order No	Qty.	Type	Order No	Qty.
TKO 6/2	476 282	25	TKO 6/2	476 282	25
TKO 6/3	476 283	20	TKO 6/3	476 283	20
TKO 6/4	476 284	15	TKO 6/4	476 284	15
TKO 6/10	476 289	5	TKO 6/10	476 289	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5	1/B5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

Package Quantity		
	60 pcs.	60 pcs.

WGO 2 N

Width: 10 mm



Cat No:

375 890
375 800

Voltage, V ~	Current, A	Cross-Section
400	57	10 mm²
400	50	1,5-16 mm²

0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
10-12 mm
1,2-1,8 Nm
IKTD 4 (0,8x4,0)

Type	Order No	Qty.
WGO 2 N	375 800 - 890	50
WGO 2 N	375 801 - 891	50
WGO 2 N	375 804 - 894	50
WGO 2 N	375 803 - 893	50
WGO 2 N	375 802 - 892	50

Type	Order No	Qty.
NPP/WGO 2 N	450 230	25

Type	Order No	Qty.
IZUK 10/2	476 402	10
IZUK 10/3	476 403	10
IZUK 10/4	476 404	10
IZUK 10/6	476 406	10
IZUK 10/10	476 409	5

Type	Order No	Qty.
TF (Ø4)	493 050	10

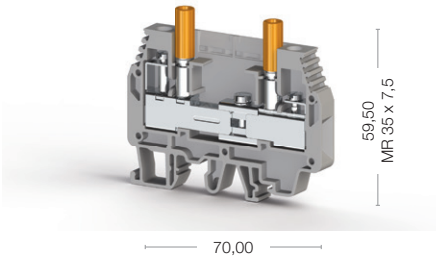
Type	Order No	Qty.
TKO 10/2	476 292	25
TKO 10/3	476 293	20
TKO 10/4	476 294	15
TKO 10/10	476 299	5

4/3
1/B6
IP 20 / -
D-NS 10x10, DG 10/10, SLF-P1 W, KCSLF-W 11,2x100mm

50 pcs.

WGO 3

Width: 8 mm



Cat No:

375 692
375 602

Voltage, V ~	Current, A	Cross-Section
400	41	6 mm²
300	43	AWG 20-8
250	36	1,5-6 mm²

0,2-10 mm²
0,2-10 mm²
0,5-4 mm²
AWG 24-8
10-12 mm
0,8-1,2 Nm
IKTD 4 (0,8x4,0)

Type	Order No	Qty.
WGO 3	375 600 - 690	50
WGO 3	375 601 - 691	50
WGO 3	375 604 - 694	50
WGO 3	375 603 - 693	50
WGO 3	375 602 - 692	50

Type	Order No	Qty.
NPP/WGO 3	450 229	25
NPP/WGO 3	450 220	25

Type	Order No	Qty.
IZUK 6/2	476 302	10
IZUK 6/3	476 303	10
IZUK 6/4	476 304	10
IZUK 6/6	476 306	10
IZUK 6/10	476 309	5
WGO UAA	498 300	1

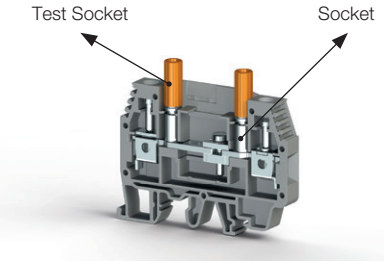
Type	Order No	Qty.
TF (Ø4)	493 050	10

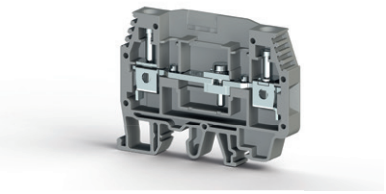
Type	Order No	Qty.
TKO 6/2	476 282	25
TKO 6/3	476 283	20
TKO 6/4	476 284	15
TKO 6/10	476 289	5

6/3
1/B5
IP 20 / -
D-NS 8x10, DG 10/8

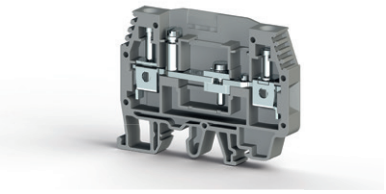
50 pcs.

Socket Selections

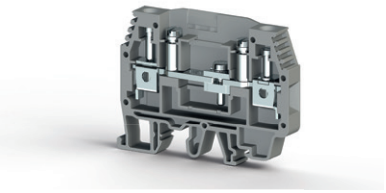




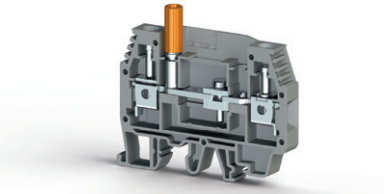
Without Socket



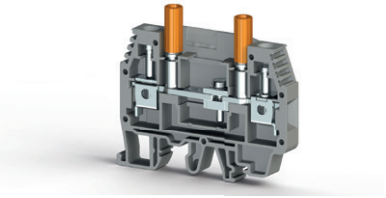
Single Socket



Double Socket



Single Test Socket

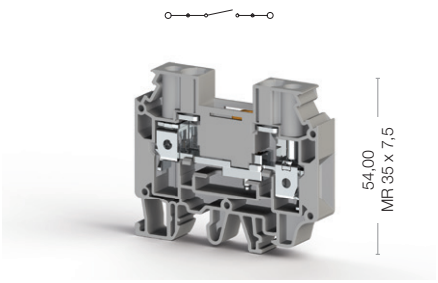


Double Test Socket

WGO Series
Test / Disconnect Terminals

WGO 2 IR

Width: 10 mm

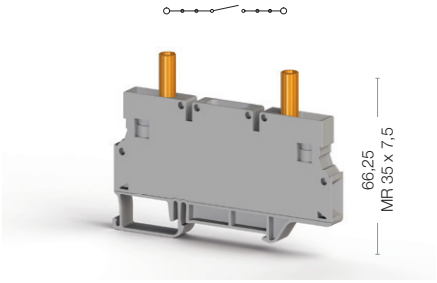


Cat No:

375 909
375 900

WGO 4

Width: 8 mm



Cat No:

376 090
376 000

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	57	10 mm²	1000	41	6 mm²
UL						
VDE (IEC 60947-7-1)				1000	41	6 mm²
CSA						
ATEX	400	50	1,5-10 mm²	400	36	0,5-10 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,5-16 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,5-16 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-6 mm²	0,5-4 mm²
AWG Conductor	AWG 20-6	AWG 24-8
Insulation Stripping Length (min.-max.)	10-12 mm	10-12 mm
Torque (min-max.)	1,2-1,8 Nm	0,8-1,0 Nm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)

Ordering Data	Type	Order No	Qty.	Type	Order No	Qty.
Without Socket - Beige / Grey	WGO 2 IR	375 900 - 909	50	WGO 4 (GREY)	376 091	50
One Socket - Beige / Grey						
Double Socket - Beige / Grey						
One Test Socket - Beige / Grey						
Double Test Socket - Beige / Grey				WGO 4 (Grey)	376 090	50

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
Grey Beige	NPP/WGO 2 IR	450 249	25			

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	IZUK 10W/2	476 502	10	IZUK 6/2	476 302	10
	IZUK 10W/3	476 503	10	IZUK 6/3	476 303	10
	IZUK 10W/4	476 504	10	IZUK 6/4	476 304	10
	IZUK 10W/6	476 506	10	IZUK 6/6	476 306	10
	IZUK 10W/10	476 509	5	IZUK 6/10	476 309	5

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF (Q4)	493 050	10	TF (Ø4)	493 050	10

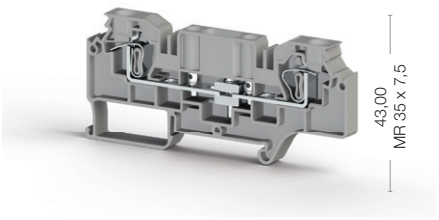
Comb Connector	Type	Order No	Qty.	Type	Order No	Qty.
	TKO 10/2	476 292	25	UK 6/2	476 242	25
	TKO 10/3	476 293	20	UK 6/3	476 243	20
	TKO 10/4	476 294	15	UK 6/4	476 244	15
	TKO 10/10	476 299	5	UK 6/10	476 249	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B6	1/B5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, DG 10/10, SLF-P1 W	D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	50 pcs.	50 pcs.

WGO 5

Width: 8 mm



Cat No:

376 190
376 100

Voltage, V ~	Current, A	Cross-Section
500	41	6 mm²

0,2-10 mm²
0,2-6 mm²
1,5 mm²
AWG 24-8
10-12 mm
0,8-1,2 Nm
KTD 4 (0,8x4,0)

Type	Order No	Qty.
NPP/WGO 5	450 359	25
APP/WGO 5	463 219	25
Cover WGO 5	498 260	1 meter

Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

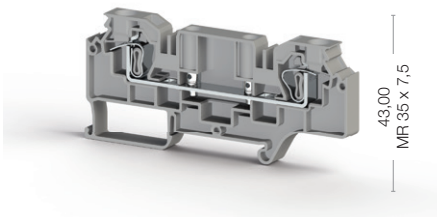
Type	Order No	Qty.
TF (Ø4)	493 050	10

6/3
1/A5
IP 20 / -
D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm

40 pcs.

WGO D5

Width: 8 mm



Cat No:

376 290
376 200

Voltage, V ~	Current, A	Cross-Section
500	41	6 mm²

0,2-10 mm²
0,2-6 mm²
1,5 mm²
AWG 24-8
10-12 mm
KTD 4 (0,8x4,0)

Type	Order No	Qty.
NPP/WGO 5	450 359	25
APP/WGO 5	463 219	25

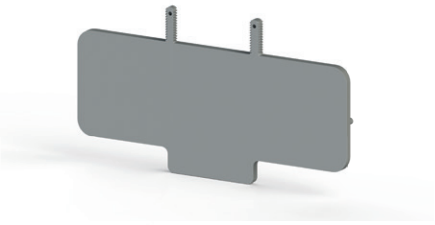
Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

Type	Order No	Qty.
TF (Ø4)	493 050	10

6/3
1/A5
IP 20 / -
D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm

40 pcs.

APP/WGO 5 - Order No: 463 219

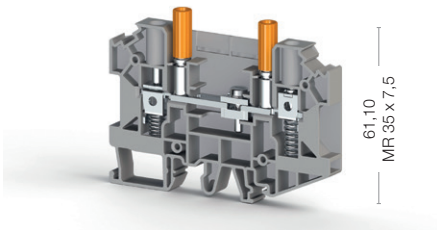


Protection Cover for WGO 5 - Order No: 498 260

WGO Y Series Test / Disconnect Terminals

WGO Y 6

Width: 8 mm

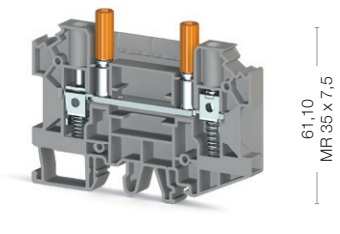


Cat No:

375 919
375 910

WGO YD 6

Width: 8 mm



Cat No:

375 929
375 920

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	41	6 mm²	1000	41	6 mm²
UL						
VDE (IEC 60947-7-1)	1000	41	6 mm²			
CSA						
ATEX	500	36	0,5-10 mm²	500	36	0,5-10 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,2-10 mm²			0,2-10 mm²		
Conductor cross section stranded (min.-max.)	0,2-10 mm²			0,2-10 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²			0,5-4 mm²		
AWG Conductor	AWG 24-8			AWG 24-8		
Insulation Stripping Length (min.-max.)	10-12 mm			10-12 mm		
Torque (min-max.)	0,8-1,2 Nm			0,8-1,2 Nm		
Screwdriver	IKTD 4 (0,8x4,0)			IKTD 4 (0,8x4,0)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
Grey	NPP/WGO Y 6	450 279	25	NPP/WGO YD 6	450 279	25
Beige	NPP/WGO Y 6	450 270	25	NPP/WGO YD 6	450 270	25



Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	IZUK 6/2	476 302	10	IZUK 6/2	476 302	10
	IZUK 6/3	476 303	10	IZUK 6/3	476 303	10
	IZUK 6/4	476 304	10	IZUK 6/4	476 304	10
	IZUK 6/6	476 306	10	IZUK 6/6	476 306	10
	IZUK 6/10	476 309	5	IZUK 6/10	476 309	5
	WGO UAA	498 300	1	WGO UAA	498 300	1



Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF (Q4)	493 050	10	TF (Q4)	493 050	10



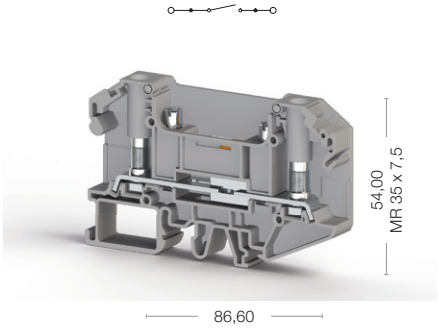
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5			1/B5		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	48 pcs.			48 pcs.		

WGO PB Series Test / Disconnect Terminals

WGO PB 6/NM

Width: 11 mm

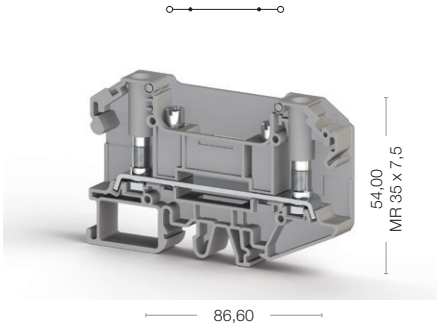


Cat No:

308 069
308 060

WGO PBD 6/NM

Width: 11 mm



Cat No:

308 079
308 070

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	41	6 mm²	1000	41	6 mm²
UL	600	45	AWG 22-8	600	45	AWG 22-8
VDE (IEC 60947-7-1)	1000	41	6 mm²			
CSA	600	45	AWG 22-8	600	45	AWG 22-8
ATEX	630	36	0,5-6 mm²			
Connection Data						
Conductor cross section solid (min-max.)	0,5-6 mm²			0,5-6 mm²		
Conductor cross section stranded (min.-max.)	0,5-6 mm²			0,5-6 mm²		
AWG Conductor	AWG 22-8			AWG 22-8		
Torque	0,8-1,2 Nm			0,8-1,2 Nm		
Hole Diameter	4,2 mm			4,2 mm		
Bolt Diameter	4 mm			4 mm		
Screwdriver	IKTD 5 (1,0x5,5)			IKTD 5 (1,0x5,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/WGO PB 6	451 009	25	NPP/WGO PB 6	451 009	25
	APP/WGO PB 6	464 019	25	APP/WGO PB 6	464 019	25

Comb Connector/Ring Type	Type	Order No	Qty.	Type	Order No	Qty.
	TKO PB 6/2	479 002	25	TKO PB 6/2	479 002	25
	TKO PB 6/3	479 003	20	TKO PB 6/3	479 003	20
	TKO PB 6/4	479 004	15	TKO PB 6/4	479 004	15
	TKO PB 6/7	479 007	5	TKO PB 6/7	479 007	5
	TKO PB 6/10	479 009	5	TKO PB 6/10	479 009	5

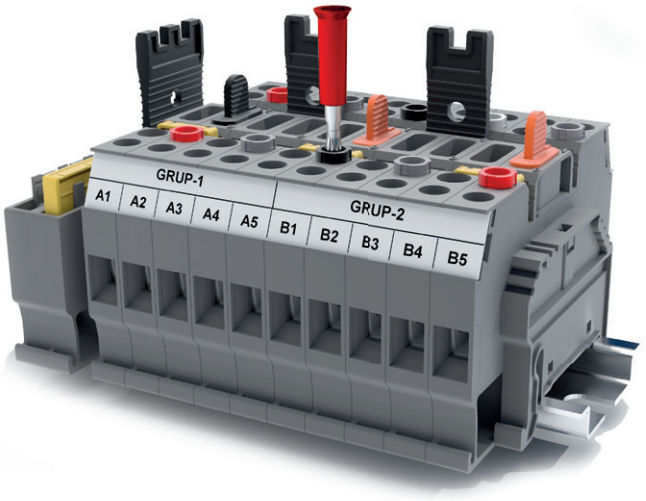
Test Plug						

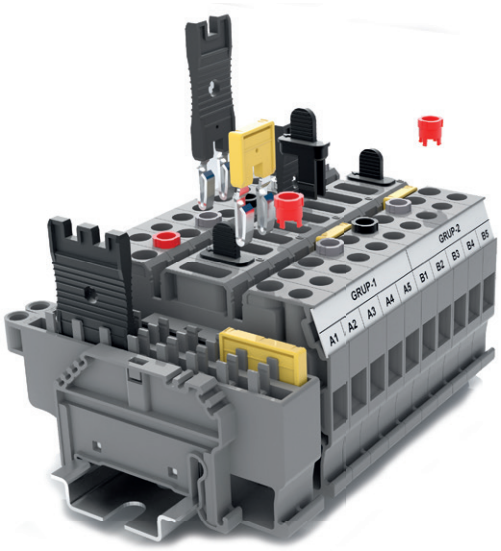
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

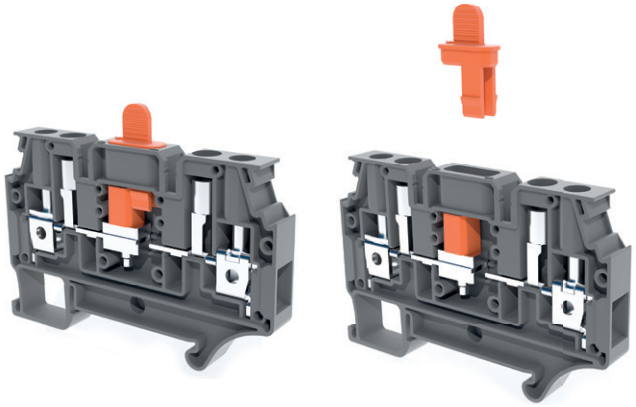
	25 pcs.	25 pcs.

WGO 6 Test and Disconnect Terminals

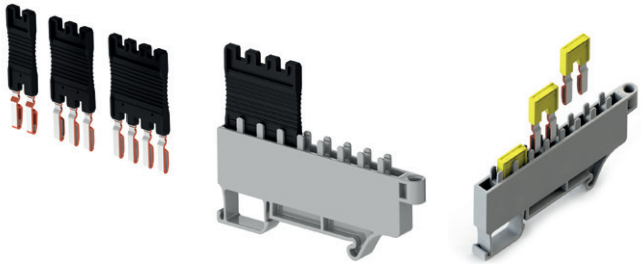
Complying with EN 45545-2 European railway standard for fire safety classes R22-R23-R24-R26 for HL 1 – HL 2 –HL 3



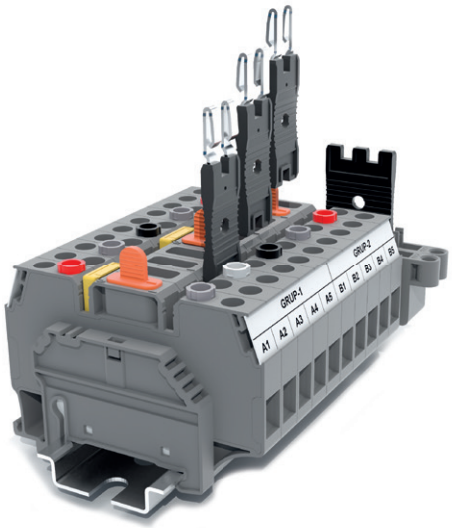




- 6mm² Closed Type Test and Disconnect Terminal Block, no need for an extra end plate usage.
- Insulation Material V0 PA complied with UL 94
- Suitable for 4mm diameter test plug with preformed self socket. No need for a socket and test socket model selection, test plug can be inserted directly.
- Test Socket color coding is possible thanks to WGO 6KP coding plastics.
- WGO 6PK ensures the Sliding Disconnect Bridge safety with exact positioning. When the circuit is disconnected, you can use WGO 6PK as a safety isolation to prevent unexpected tripping and arcing.
- Suitable for 11.2mm marking strip.
- DIN Rail mounted ATCS 6 cross connection holder prevents possible accessory loss for SCS 6 and CS 6, when they are not in use.



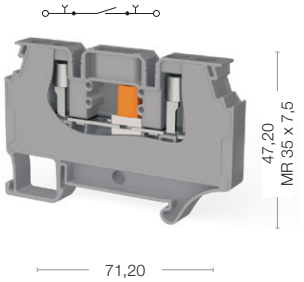
CS type (2-3-4-5-10 poles) accessories are push-in cross connectors, SCS type (2-3-4 poles) accessories are longer push-in short-circuit connectors. In case there is no accessory holder (ATCS 6) usage, SCS type connectors can be mounted upside down to same connection holes to prevent any accessory loss.



WGO 6 Series Test / Disconnect Terminals

WGO 6/NM

Width: 8 mm

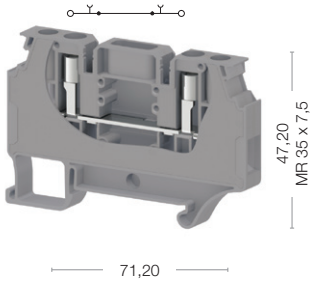


Cat No:

309 609
309 600

WGO D6/NM

Width: 8 mm



Cat No:

309 619
309 610

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	41	6 mm²	1000	41	6 mm²
UL	600	50	AWG 24-8	600	50	AWG 24-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-10 mm²
AWG Conductor	AWG 24-8	AWG 24-8
Torque	0,8-1,0 Nm	0,8-1,0 Nm
Hole Diameter	10 mm	10 mm
Bolt Diameter	B5	B5
Screwdriver	IKTD 4 (0,8x4)	IKTD 4 (0,8x4)

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
CS 6/2	470 122	25	CS 6/2	470 122	25
CS 6/3	470 123	20	CS 6/3	470 123	20
CS 6/4	470 124	15	CS 6/4	470 124	15
CS 6/5	470 125	10	CS 6/5	470 125	10
CS 6/10	470 129	5	CS 6/10	470 129	5
SCS 6/2	470 172	25	SCS 6/2	470 172	25
SCS 6/3	470 173	20	SCS 6/3	470 173	20
SCS 6/4	470 174	15	SCS 6/4	470 174	15

Plastic Lock



	Type	Order No	Qty.
Grey	WGO 6_PK	469 079	50
Orange	WGO 6_PK	469 077	50
Black	WGO 6_PK	469 075	50

Coding Plastic



	Type	Order No	Qty.	Type	Order No	Qty.
Orange	WGO 6_KP	469 067	50	WGO 6_KP	469 067	50
Blue	WGO 6_KP	469 061	50	WGO 6_KP	469 061	50
Green	WGO 6_KP	469 062	50	WGO 6_KP	469 062	50
Yellow	WGO 6_KP	469 063	50	WGO 6_KP	469 063	50
Red	WGO 6_KP	469 064	50	WGO 6_KP	469 064	50
Black	WGO 6_KP	469 065	50	WGO 6_KP	469 065	50

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TFØ4	493 050	10	TFØ4	493 050	10

Cross Connection Holder



Type	Order No	Qty.	Type	Order No	Qty.
ATCS 6	499 559	20	ATCS 6	499 559	20

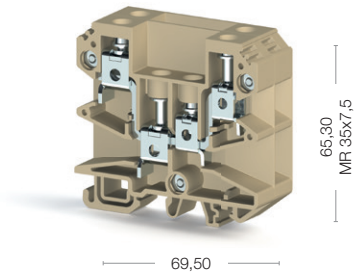
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8, SLF-P1 W	D-NS 8x10, DG 10/8, SLF-P1 W

Package Quantity		
	50 pcs.	50 pcs.

Distribution Terminals

AYK 10/16

Width: 11 mm

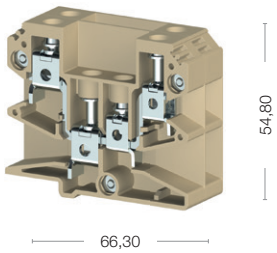


Cat No:

395 100

AYK 10/16

Width: 11 mm



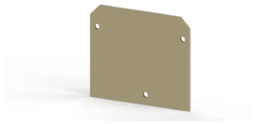
Cat No:

395 200

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	76	16 mm²	750	76	16 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	2,5-0,5 mm²	2,5-0,5 mm²
Conductor cross section stranded (min.-max.)	25-16 mm²	25-16 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	1,5-0,5/10-6 mm²	1,5-0,5/10-6 mm²
AWG Conductor	AWG 14/20-4/6	AWG 14/20-4/6
Insulation Stripping Length (min.-max.)	14/8-16/10 mm	14/8-16/10 mm
Torque (min-max.)	1,2/1,2-2,0/1,8 Nm	1,2/1,2-2,0/1,8 Nm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)

Ordering Data		

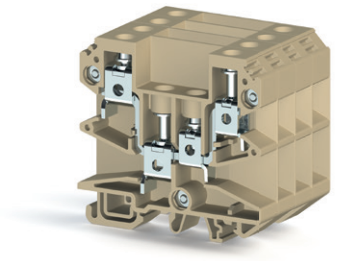
End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/AYK	450 090	10	NPP/AYK	450 090	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B6	1/B6
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x6, DB 5, DG 6/5,	D-NS 5x6, DB 5, DG 6/5,

Package Quantity		
	20 pcs.	20 pcs.

AYK 10/16-2,3,4,5

Width: 23,5 - 34,5 - 45,5 - 56,5 mm
(With End Plate)



Cat No:

395 220

Voltage, V ~	Current, A	Cross-Section
750	76	16 mm²

2,5-0,5 mm²
25-16 mm²
1,5-0,5/10-6 mm²
AWG 14/20-4/6
14/8-16/10 mm
1,2/1,2-2,0/1,8 Nm
IKTD 4 (0,8x4,0)

Type	Order No	Qty.
AYK 10/16 - 2	395 220	20
AYK 10/16 - 3	395 230	20
AYK 10/16 - 4	395 240	20
AYK 10/16 - 5	395 250	20

Type	Order No	Qty.
NPP/AYK	450 090	10

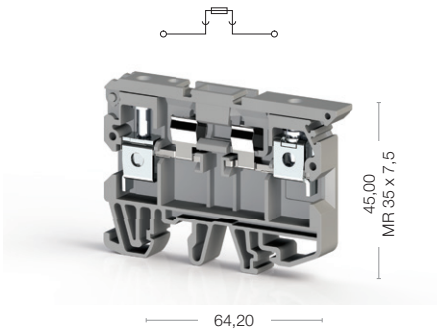
8/3
1/B6
IP 20 / -
D-NS 5x6, DB 5, DG 6/5,

20 pcs.

Screw Type Fuse Terminals

ASK 2 S

Width: 8 mm

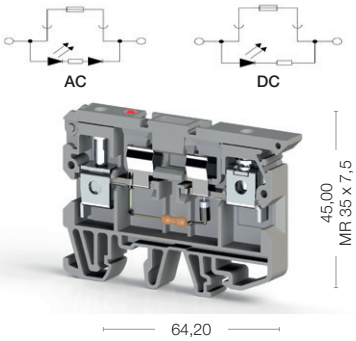


Cat No:

351 109
351 100

ASK 2 LD

Width: 8 mm



Cat No:

351 219
351 210

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	500	6,3	6 mm²		6,3	6 mm²
UL	300	6,3	AWG 26-8		6,3	AWG 26-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²	0,5-4 mm²
AWG Conductor	AWG 24-8	AWG 24-8
Insulation Stripping Length (min.-max.)	10-12 mm	10-12 mm
Torque (min-max.)	0,8-1,2 Nm	0,8-1,2 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data	Type	Order No	Qty.
	ASK 2 LD (24 AC)	351 219	25
	ASK 2 LD (24 DC)	351 229	25
	ASK 2 LD (48 AC)	351 319	25
	ASK 2 LD (48 DC)	351 329	25
	ASK 2 LD (110 AC)	351 519	25
	ASK 2 LD (110 DC)	351 529	25
	ASK 2 LD (220 AC)	351 619	25
	ASK 2 LD (220 DC)	351 629	25

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/ASK 2	450 049	25	NPP/ASK 2	450 049	25

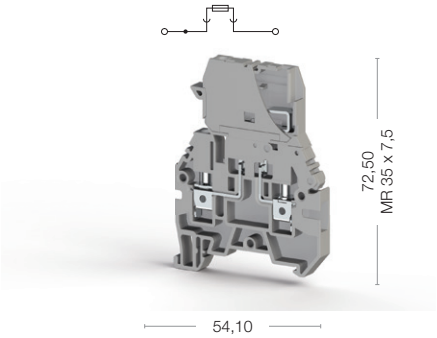
Push-in Cross Connection


Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5	1/B5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Fuse / Fuse Type	G/5x20-5x25	G/5x20-5x25
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x6, DB 5, DG 6x5	D-NS 5x6, DB 5, DG 6x5

Package Quantity		
	50 pcs.	25 pcs.

ASK 3 M

Width: 6,2 mm



Cat No:

355 109
355 100

Voltage, V ~	Current, A	Cross-Section
500	10	4 mm²
600	10	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/ASK 3	450 059	10

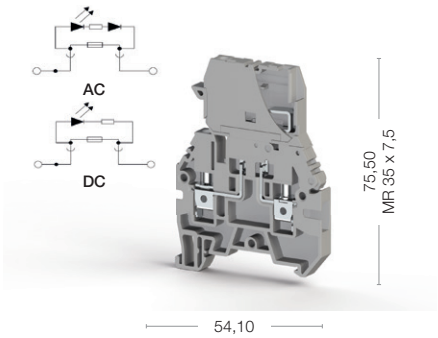
Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15

6/3
1/A4
IP 20 / -
G/5x20-5x25
DB 5, DB 10/6, D-NS 6x10, D-NS 5x6

30 pcs.

ASK 3 MLD

Width: 6,2 mm



Cat No:

355 219
355 210

Voltage, V ~	Current, A	Cross-Section
	10	4 mm²
	10	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
ASK 3 MLD (24 AC)	355 219	30
ASK 3 MLD (24 DC)	355 229	30
ASK 3 MLD (48 AC)	355 319	30
ASK 3 MLD (48 DC)	355 329	30
ASK 3 MLD (110 AC)	355 519	30
ASK 3 MLD (110 DC)	355 529	30
ASK 3 MLD (220 AC)	355 619	30
ASK 3 MLD (220 DC)	355 629	30

Type	Order No	Qty.
NPP/ASK 3	450 059	10

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15

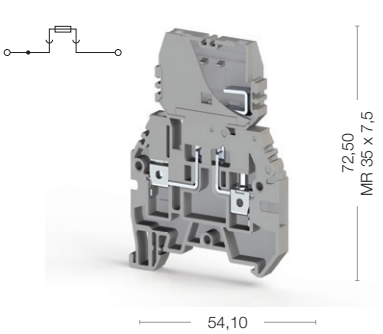
6/3
1/A4
IP 20 / -
G/5x20-5x25
DB 5, DB 10/6, D-NS 6x10, D-NS 5x6

30 pcs.

Screw Type Fuse Terminals

ASK 3 F

Width: 6,2 mm

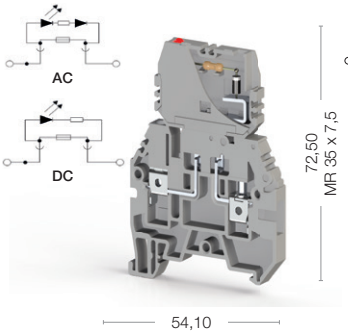


Cat No:

354 109
354 100

ASK 3 FLD

Width: 6,2 mm

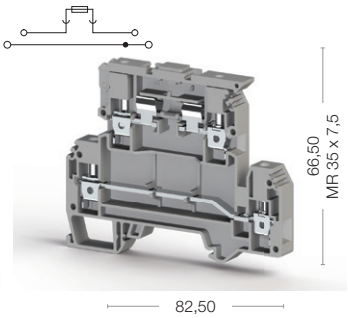


Cat No:

354 219
354 210

AVK 4 FS

Width: 8 mm



Cat No:

353 309
353 300

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	500	10	4 mm²		10	4 mm²	500	32	4 mm²
UL	600	10	AWG 26-10		10	AWG 26-10	300	6,3/30	AWG 26-10
VDE (IEC 60947-7-1)									
CSA									
ATEX									

Connection Data			
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm	8-9 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data

Type	Order No	Qty.
ASK 3 FLD (24 AC)	354 219	30
ASK 3 FLD (24 DC)	354 229	30
ASK 3 FLD (48 AC)	354 319	30
ASK 3 FLD (48 DC)	354 329	30
ASK 3 FLD (110 AC)	354 519	30
ASK 3 FLD (110 DC)	354 529	30
ASK 3 FLD (220 AC)	354 619	30
ASK 3 FLD (220 DC)	354 629	30

End Plate



Type	Order No	Qty.
NPP/ASK 3	450 059	10

Type	Order No	Qty.
NPP/ASK 3	450 059	10

Type	Order No	Qty.
NPP/AVK 4 FS	450 209	10

Push-in Cross Connection



Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15

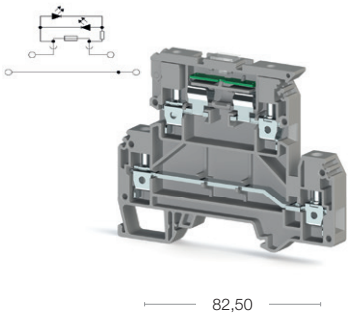
Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

Technical Data			
Rated Impulse Voltage / Pollution severity	6/3	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -	IP 20 / -
Fuse / Fuse Type	G/5x20-5x25	G/5x20-5x25	G/5x20-5x25
Marking Tags (Dekafix)			
See pages 326-333 for a list of Dekafix	DB 5, DB 10/6, D-NS 6x10, D-NS 5x6	DB 5, DB 10/6, D-NS 6x10, D-NS 5x6	D-NS 5x6, DB 5, DG 6/5

Package Quantity			
	30 pcs.	30 pcs.	50 pcs.

AVK 4 FSLD

Width: 8 mm



Cat No:

353 329
353 320

Voltage, V ~	Current, A	Cross-Section
	32	4 mm²
300	6,3/30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
8-9 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
AVK 4 FSLD (110V AC/DC)	353 349	50
AVK 4 FSLD (24V AC/DC)	353 329	50
AVK 4 FSLD (220V AC/DC)	353 359	50

Type	Order No	Qty.
NPP/AVK 4FS	450 209	10

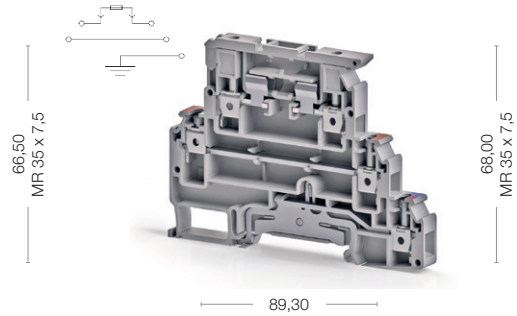
Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

6/3
1/A4
IP 20 / -
G/5x20-5x25
D-NS 5x10, D-NS 5x6, DG 6/5, DB 5

50 pcs.

AVK 4 FST/NM

Width: 8 mm



Cat No:

314 109
314 100

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
8-9 mm
0,5-0,8 Nm
IKT3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
NPP / AVK 4 FST_NM	451 429	10

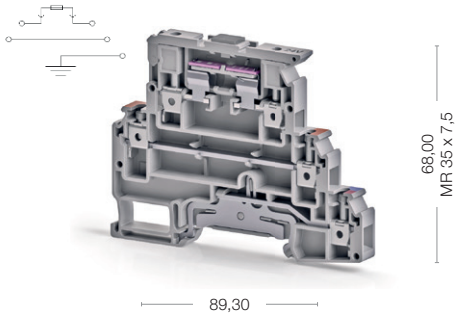
Type	Order No	Qty.

6/3
1/A4
IP 20 / - PE
DG 6/5, DB 5, D-NS 5x6

30 pcs.

AVK 4 FSTLD/NM 24V

Width: 8 mm



Cat No:

314 129
314 120

Voltage, V ~	Current, A	Cross-Section
24	32	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
8-9 mm
0,5-0,8 Nm
IKT3 (0,6x3,5)

Type	Order No	Qty.
AVK 4 FSTLD/NM (48V)	314 139	30 pcs.
AVK 4 FSTLD/NM (110V)	314 149	30 pcs.
AVK 4 FSTLD/NM (220V)	314 159	30 pcs.

Type	Order No	Qty.
NPP / AVK 4 FST_NM	451 429	10

Type	Order No	Qty.

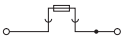
6/3
1/A4
IP 20 / - PE
DG 6/5, DB 5, D-NS 5x6

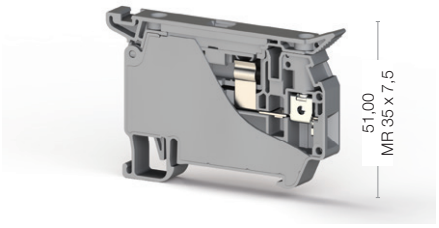
30 pcs.

Screw Type Fuse Terminals

ASK 5

Width: 8 mm





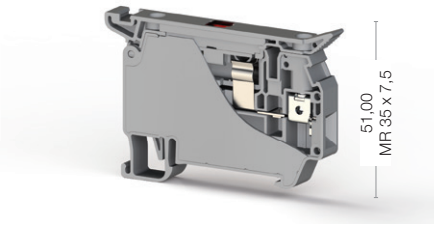
Cat No:

353 409
353 400

ASK 5 LD

Width: 8 mm





Cat No:

353 429
353 420

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	500	10	4 mm²		10	4 mm²
UL	300	10	AWG 26-10		10	AWG 26-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	8-9 mm	8-9 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data				Type	Order No	Qty.
				ASK 5 LD 24V AC/DC	353 429	50
				ASK 5 LD 110V AC/DC	353 449	50
				ASK 5 LD 220V AC/DC	353 439	50

Push-in Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 6/2	476 242	25	UK 6/2	476 242	25
	UK 6/3	476 243	20	UK 6/3	476 243	20
	UK 6/4	476 244	15	UK 6/4	476 244	15
	UK 6/10	476 249	5	UK 6/10	476 249	5

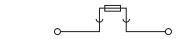
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Fuse / Fuse Type	G/5x20-5x25	G/5x20-5x25
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

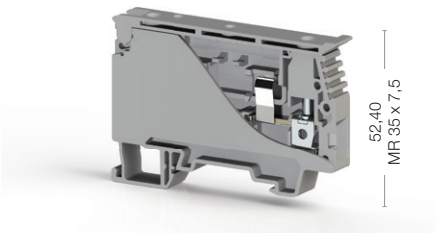
Package Quantity		
	50 pcs.	50 pcs.

Fuse Terminals for American Standards

ASK 4 S

Width: 10 mm



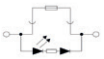


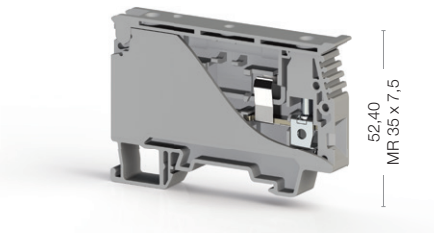
Cat No:

351 129
351 120

ASK 4 LD

Width: 10 mm





Cat No:

351 719
351 710

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	750	6,3	6 mm²		6,3	6 mm²
UL	600	6,3	AWG 22-8		6,3	AWG 22-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,34-10 mm²	0,34-10 mm²
Conductor cross section stranded (min.-max.)	0,34-10 mm²	0,34-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²	0,5-4 mm²
AWG Conductor	AWG 22-8	AWG 22-8
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

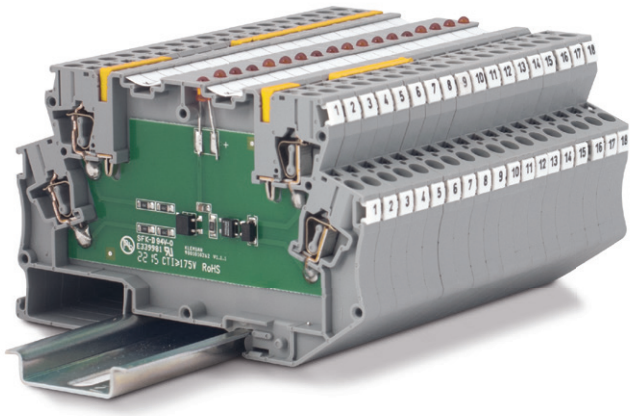
Ordering Data	Type	Order No	Qty.
	ASK 4 LD (24 AC)	351 719	20
	ASK 4 LD (24 DC)	351 729	20
	ASK 4 LD (48 AC)	351 739	20
	ASK 4 LD (48 DC)	351 749	20
	ASK 4 LD (110 AC)	351 759	20
	ASK 4 LD (110 DC)	351 769	20
	ASK 4 LD (220 AC)	351 779	20
	ASK 4 LD (220 DC)	351 789	20

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5	1/B5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Fuse / Fuse Type	6,35x31,75	6,35x31,75
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

Package Quantity		
	20 pcs.	20 pcs.

Double Level Electronic Terminals

WG - EKİ

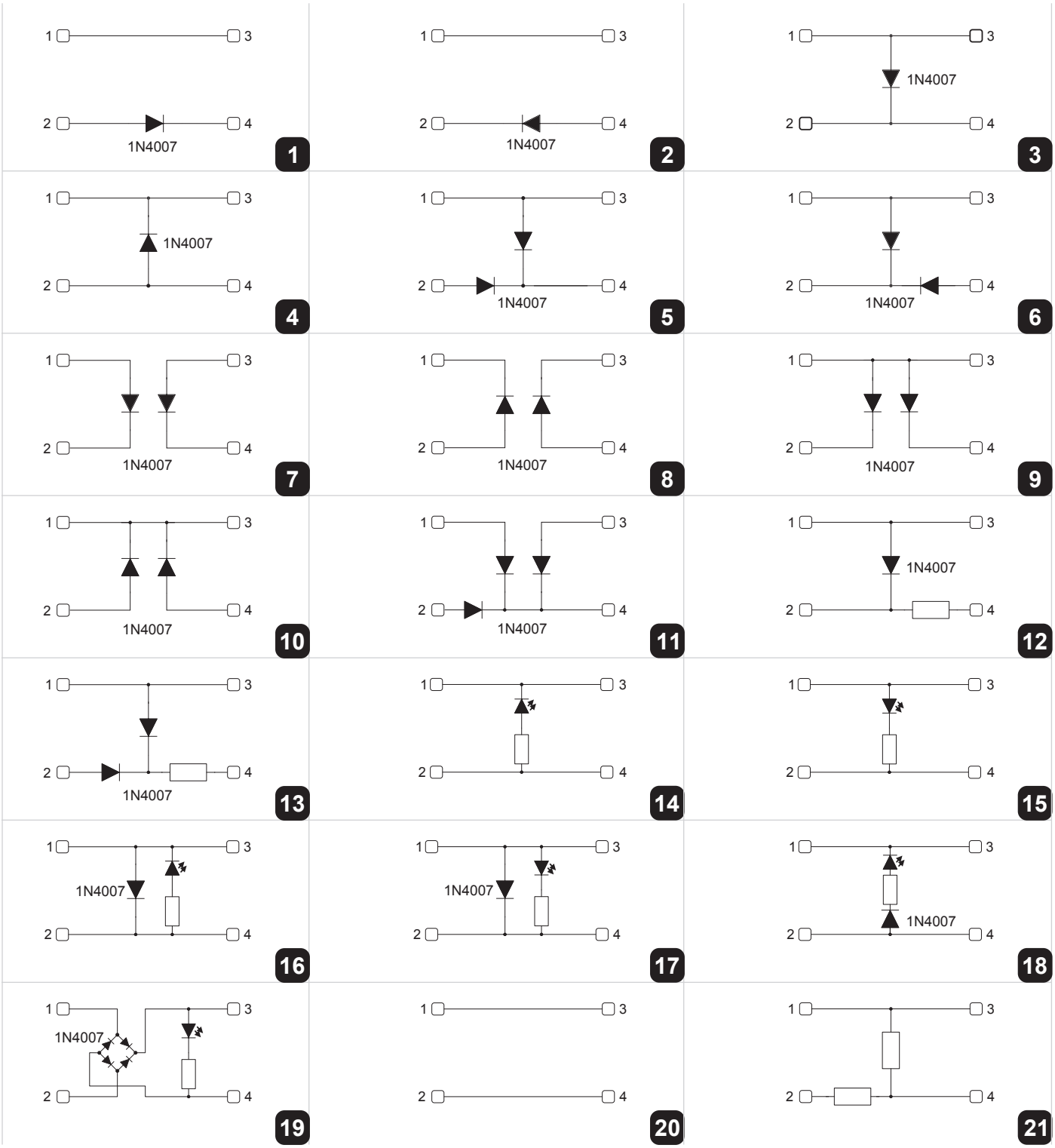


From reverse current protection to lamp test circuit, you can select among 20 ready to use circuits of WG EKI-N, or choose the empty one and apply your own circuit. There are many choices with different number of contacts and housing type suitable for your needs. Spring clamp connections speed up the cable installations whereas plug-in cross connectors provides easy and safe connection. New WG EKI-N series terminal blocks can be labeled by using plotter or thermal marking systems.

Electrical Ratings	
Terminal Current	10 A
Diode Voltage	1000 V
Diode Current	1 A

Connection Data	
Solid Strand, Screw Connection	0,8 - 4 mm²
Fine Strand, Screw Connection	0,8 - 2,5 mm²
AWG Conductor	AWG 28 - 12
Terminal Width	6,2 mm
Terminal Lengh	100,5 mm

Sch. Cir. Dia.	Input Voltage	Circuit Type	Order No
1	-	Reverse Current Protection	110 010N
2	-	Reverse Current Protection	110 020N
3	-	Reverse Current Protection	110 030N
4	-	Reverse Current Protection	110 040N
5	-	Lamp / Test Circuit	110 050N
6	-	Lamp / Test Circuit	110 060N
7	-	Reverse Current Protection	110 070N
8	-	Reverse Current Protection	110 080N
9	-	Lamp / Test Circuit	110 090N
10	-	Lamp / Test Circuit	110 100N
11	-	Lamp / Test Circuit	110 110N
12	24VAC/DC	Lamp / Test Circuit	110 120N
13	24VAC/DC	Lamp / Test Circuit	110 130N
14	24VDC	Voltage Indicator	110 140N
14	110VDC	Voltage Indicator	110 150N
14	220VDC	Voltage Indicator	110 160N
15	24VDC	Voltage Indicator	110 170N
15	110VDC	Voltage Indicator	110 180N
15	220VDC	Voltage Indicator	110 190N
16	24VDC	Voltage Indicator + Flyback Diode	110 200N
17	24VDC	Voltage Indicator + Flyback Diode	110 210N
18	24VAC/DC	Voltage Indicator	110 270N
18	48VAC/DC	Voltage Indicator	110 280N
18	110VAC/DC	Voltage Indicator	110 290N
18	220VAC/DC	Voltage Indicator	110 300N
19	24VAC/DC	Voltage Indicator + Rectifier	110 310N
19	110VAC/DC	Voltage Indicator + Rectifier	110 320N
19	220VAC/DC	Voltage Indicator + Rectifier	110 330N
20	-	Terminal with Cross Connection	110 380N
21	24VAC/DC	Voltage Divider	110 410N

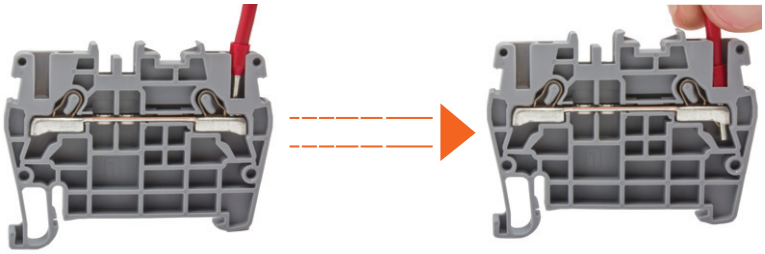


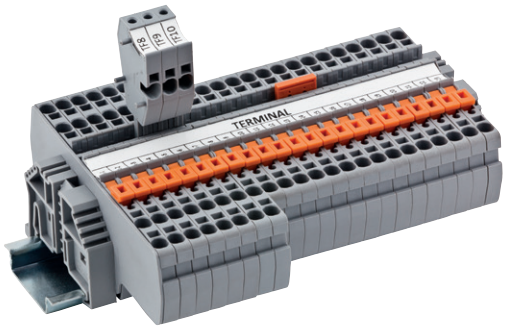
Accessories and Components

	End Plate	Plug-in Bridge 2 Holes	Plug-in Bridge 3 Holes	Plug-in Bridge 4 Holes	Plug-in Bridge 5 Holes	Plug-in Bridge 10 Holes	Plug-in Bridge 20 Holes	DG 6/5 Label	DB 5 Label	11.2 Strip Label
Order No	450389	470112	470113	470114	470115	470119	470180	505330	505850	1020100
Qty.	10	25	20	15	10	5	5	440	500	1

Easy Mounting of PYK Series Terminals

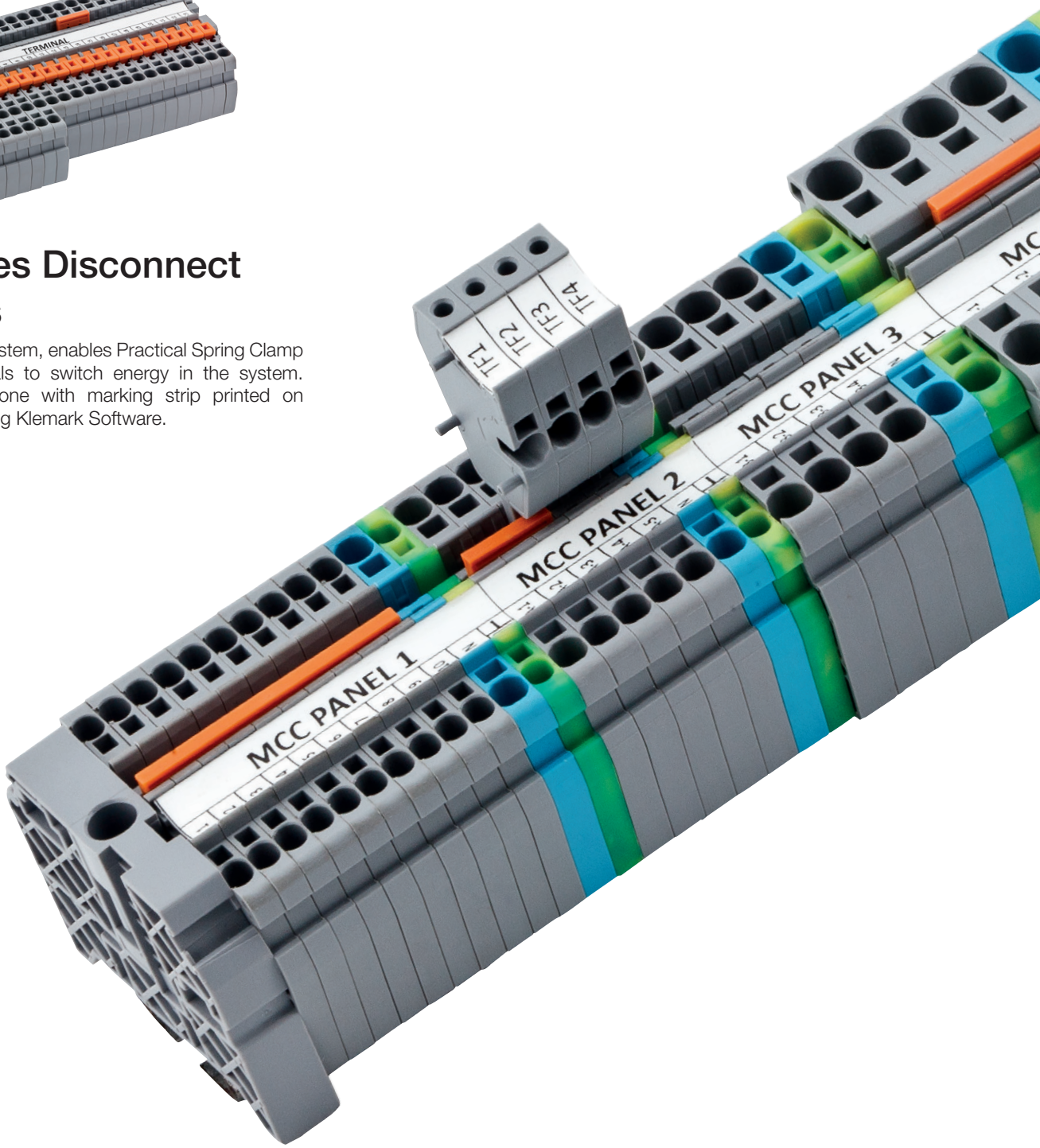
Solid/stranded cables(with ferrules) are connected to the terminal just by pushing-in,without the need to use a screwdriver. The patented design of its spring provides fast and safe connection in heavily vibrating environments.

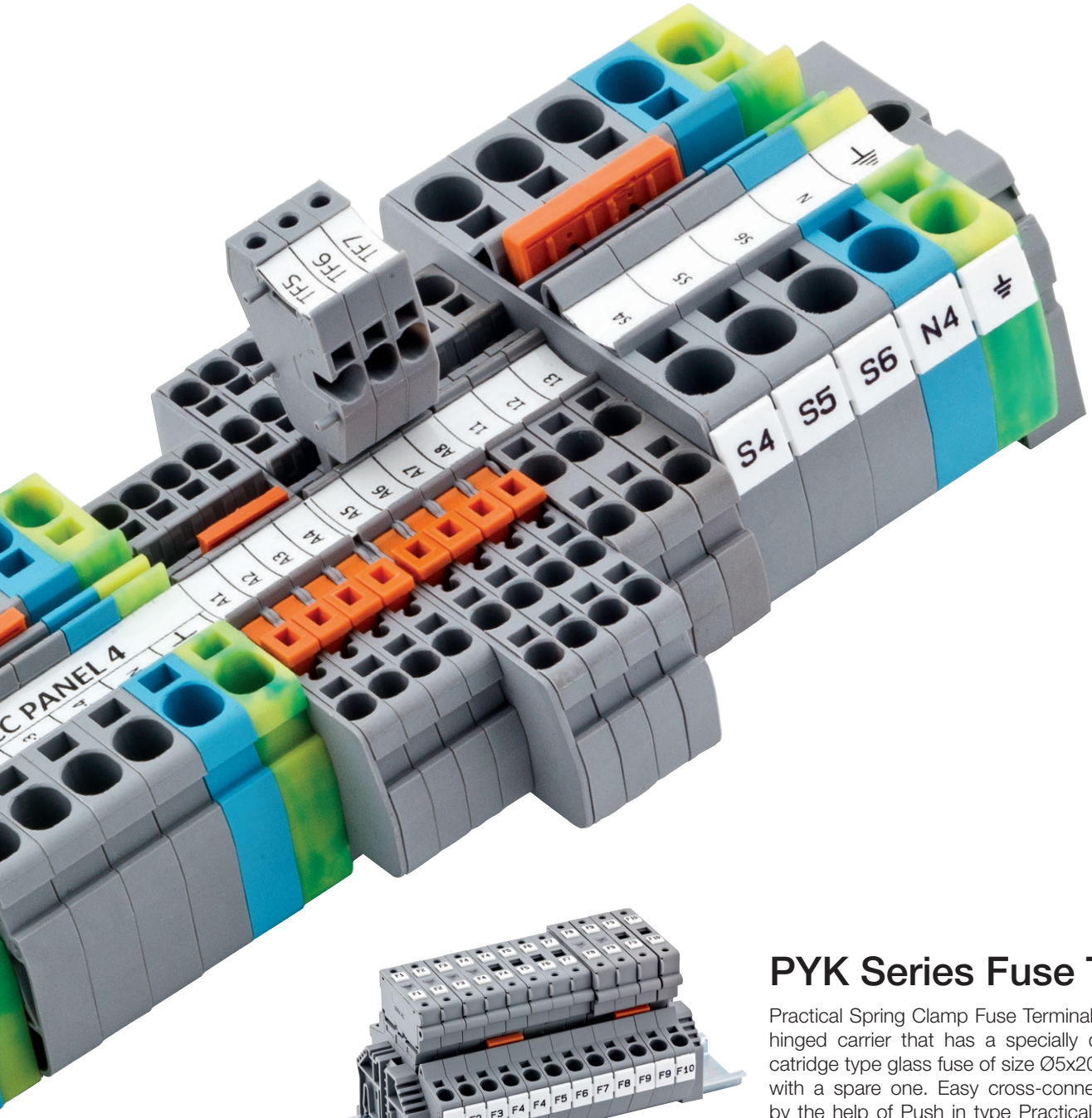


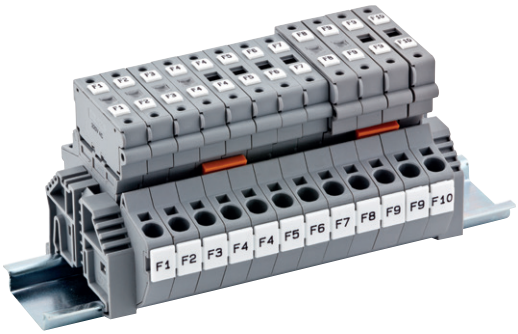


PYK Series Disconnect Terminals

Knife Disconnect System, enables Practical Spring Clamp Disconnect Terminals to switch energy in the system. Marking can be done with marking strip printed on Thermal printer, using Klemark Software.

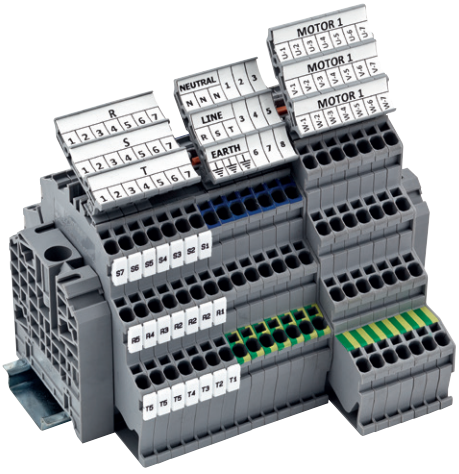






PYK Series Fuse Terminals

Practical Spring Clamp Fuse Terminals has a sliding type hinged carrier that has a specially designed space for catridge type glass fuse of size Ø5x20 or Ø5x25 together with a spare one. Easy cross-connection can be done by the help of Push in type Practical Cross Connection. Accessories facilitating Plotter labeling are available.

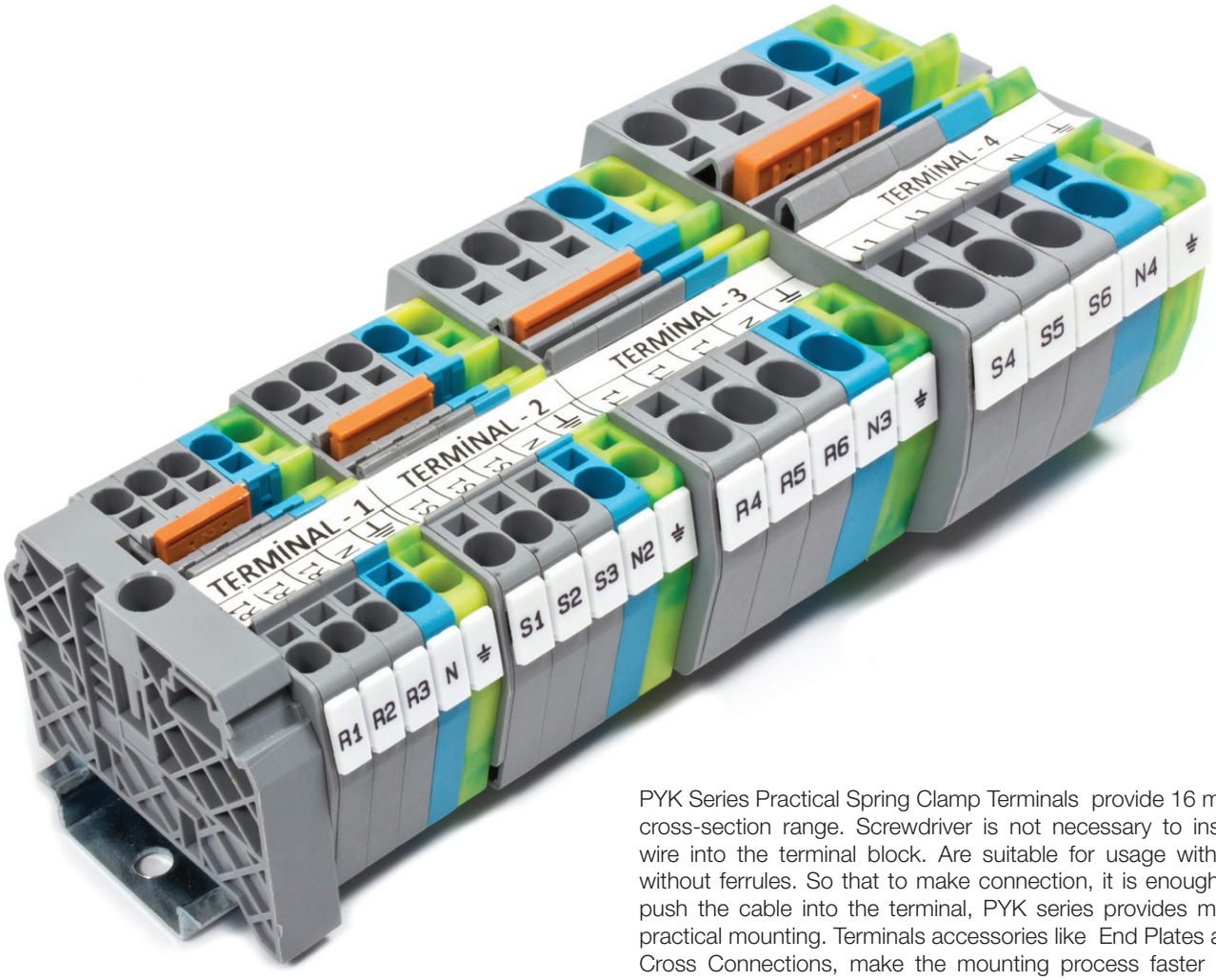


PYK Series Multilevel Terminals

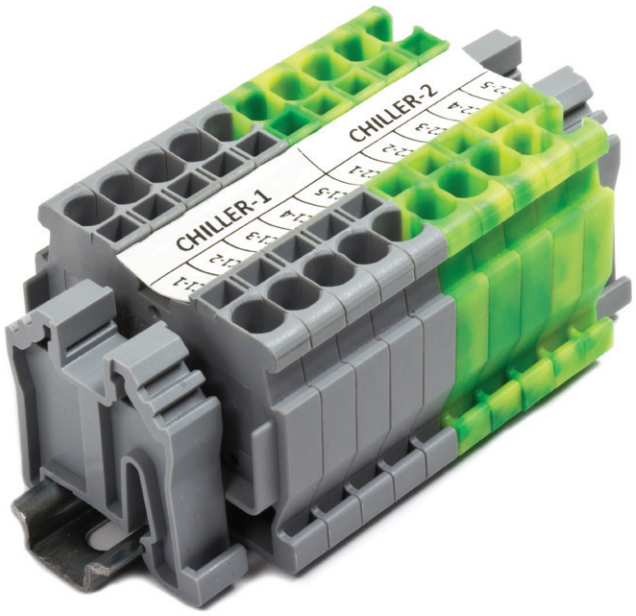
Practical Spring Clamp Multilevel Terminals are used to perform connection of wires in limited spaces, 2-3 times more connections can be done at the same space on the rail.

Cross-connection can be done between the layers. Marking is possible at each layer, at the same time usage of group marking carrier makes marking even clearer and visible.

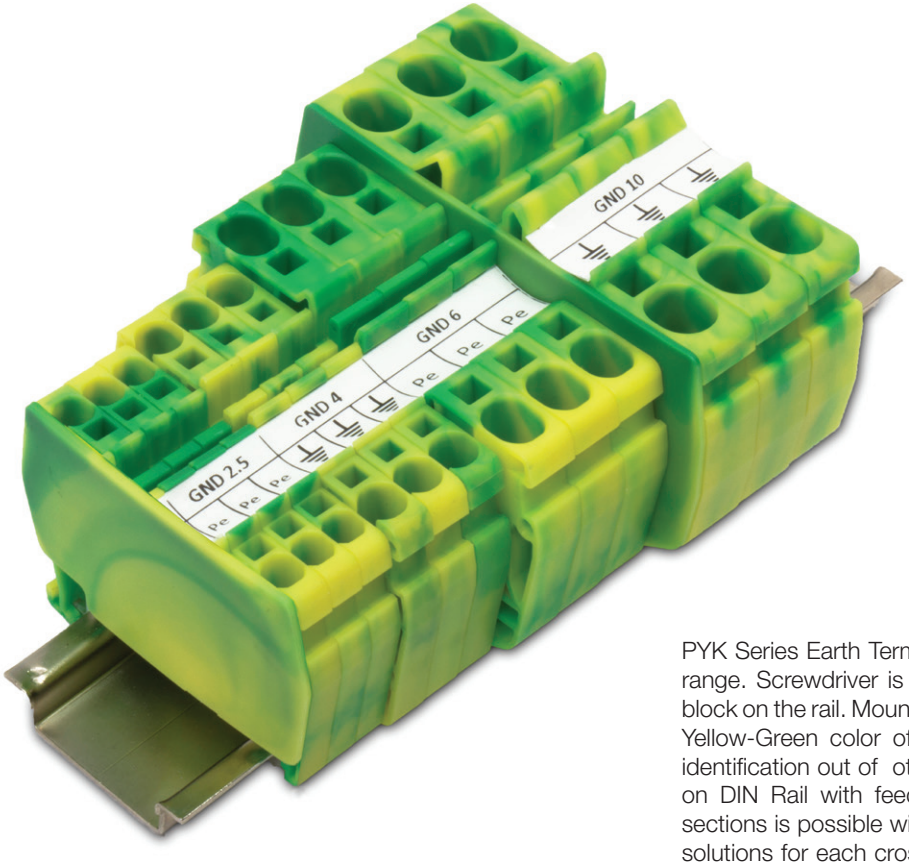
PYK Series Terminals



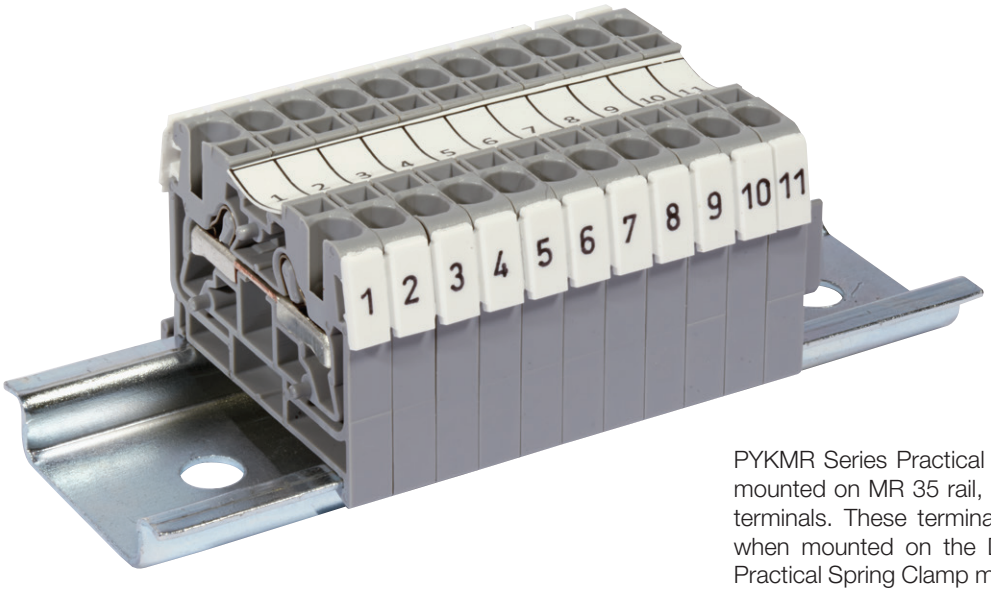
PYK Series Practical Spring Clamp Terminals provide 16 mm² cross-section range. Screwdriver is not necessary to install wire into the terminal block. Are suitable for usage with or without ferrules. So that to make connection, it is enough to push the cable into the terminal, PYK series provides more practical mounting. Terminals accessories like End Plates and Cross Connections, make the mounting process faster like in Test Terminals. Special Marking solutions for each cross section can be provided by Plotter labeling and with marking strip printed on Thermal printer, using Klemark Software. PYK Test Terminals, produced with the test and control aim, can be labeled with thermal marking strips and standard Dekafix markings.



PYKM Series Practical spring clamp mini Terminals, mounted on MR 15*5,5 rail, provide both feed-through and Earth terminals.These terminals can be connected to each other when mounted on the DIN Rail and have safe connection. Practical Spring Clamp mini Terminals enable fast solutions on narrow spaces. Marking solutions are available with Thermal Printer labeling and Plotter labeling.



PYK Series Earth Terminals provides 16 mm² cross-section range. Screwdriver is not necessary to mount the terminal block on the rail. Mounting is more time-saving and practical. Yellow-Green color of the insulation body provides easy identification out of other Terminals. Side-by-side mounting on DIN Rail with feed-through terminals for same cross-sections is possible with good visual effect. Special Marking solutions for each cross section can be provided by Plotter labeling and with marking strip printed on Thermal printer, using Klemark Software.

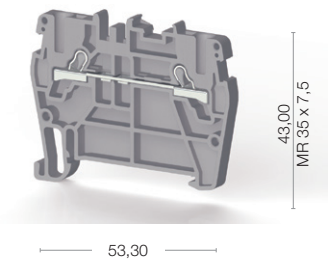


PYKMR Series Practical spring clamp mini Terminals, can be mounted on MR 35 rail, provide both feed-through and Earth terminals. These terminals can be connected to each other when mounted on the DIN Rail and have safe connection. Practical Spring Clamp mini Terminals enable fast solutions on narrow spaces. Marking solutions are available with Thermal Printer labeling and Plotter labeling.

Practical Spring Clamp Terminals

PYK 1,5

Width: 4,2 mm

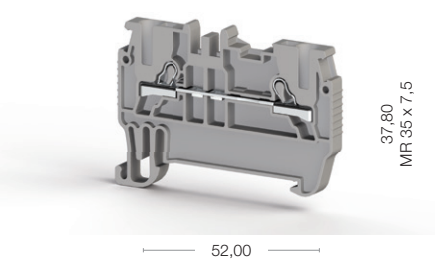


Cat No:

307 009
307 000

PYK 1,5 M

Width: 4,2 mm



Cat No:

307 019
307 010

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	17,5	1,5 mm²	800	17,5	1,5 mm²
UL	600	15	22-14 mm²			
VDE (IEC 60947-7-1)						
CSA						
ATEX	630	15	0,5-2,5 mm²	500	15	0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,34-2,5 mm²	0,34-2,5 mm²
Conductor cross section stranded (min.-max.)	0,34-1,5 mm²	0,34-1,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 22-14	AWG 22-14
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 1 (0,4x2,5)	KTD 1 (0,4x2,5)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PYK 1,5	446 449	100	NPP/PYK 1,5 M	446 639	100

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.
APP PYK 1,5 M	463 180	25	APP PYK 1,5 M	463 180	25

Push-in Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 1,5/2	476 602	25	UK 1,5/2	476 602	25
UK 1,5/3	476 603	20	UK 1,5/3	476 603	20
UK 1,5/4	476 604	15	UK 1,5/4	476 604	15
UK 1,5/10	476 609	5	UK 1,5/10	476 609	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A1-B1	1/A1-B1
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	SLF-P1 W, DB 10/4, SLF-P2 W, D-NS 4,2x6, KCSLF-W 4,9 x 100mm	SLF-P1 W, DB 10/4, SLF-P2 W, D-NS 4,2x6, KCSLF-W 4,9 x 100mm

Package Quantity		
	80 pcs.	100 pcs.

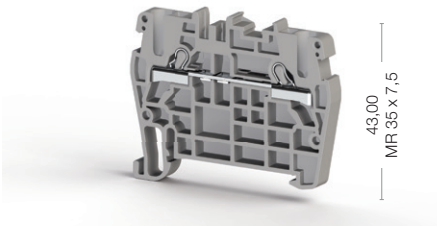
Color

Color code is the last digit of the order number

Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

PYK 2,5

Width: 5 mm



Cat No:

307 109
307 100

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²
600	20	AWG 22-12
800	24	2,5 mm²
800	21	0,5-2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 2,5	446 449	100

Type	Order No	Qty.
APP/PYK 1,5-2,5-4	463 180	25

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

8/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

100 pcs.

PYK 4

Width: 6 mm



Cat No:

307 119
307 110

Voltage, V ~	Current, A	Cross-Section
800	32	4 mm²
600	30	AWG 22-10
800	32	4 mm²
800	28	0,5-4 mm²

0,34-6 mm²
0,25-4 mm²
1,0 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PYK 4	446 459	100

Type	Order No	Qty.
APP PYK 4	463 180	25

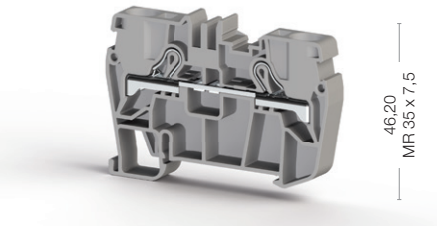
Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

8/3
1/A4
IP 20 / -
D-NS 6x10, SLF-P2 W, DB 10/6, DG 10/6, SLF-P1 W, DG 10/6T, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

100 pcs.

PYK 6

Width: 8 mm



Cat No:

307 129
307 120

Voltage, V ~	Current, A	Cross-Section
800	41	6 mm²
600	35	AWG 20-8
800	36	0,5-6 mm²

0,5-10 mm²
0,5-6 mm²
1,5 mm²
AWG 20-8
11-13 mm
KTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PYK 6	446 469	50

Type	Order No	Qty.
APP PYK 6	463 190	25

Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

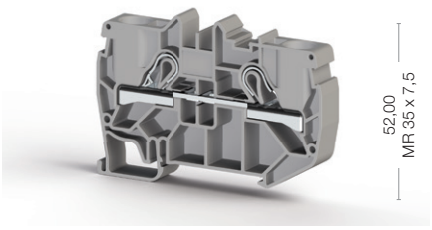
8/3
1/A5
IP 20 / -
D-NS 8x10, SLF-P2 W , DG 10/8, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

60 pcs.

Practical Spring Clamp Terminals

PYK 10

Width: 10 mm

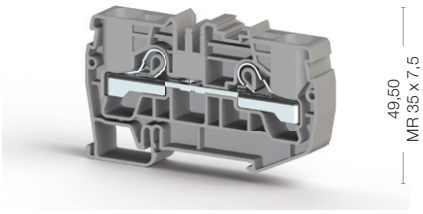


Cat No:

307 139
307 130

PYK 16

Width: 12 mm



Cat No:

307 659
307 650

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	57	10 mm²	1000	76	16 mm²
UL	600	55	AWG 20-6	600	80	AWG 20-4
VDE (IEC 60947-7-1)						
CSA						
ATEX	800	50	0,5-10 mm²			

Connection Data		
Conductor cross section solid (min-max.)	0,5-16 mm²	0,5-25 mm²
Conductor cross section stranded (min.-max.)	0,5-10 mm²	0,5-16 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	4 mm²	4 mm²
AWG Conductor	AWG 20-6	AWG 20-4
Insulation Stripping Length (min.-max.)	13-15 mm	16-18 mm
Screwdriver	KTD 4 (0,8x4,0)	KTD 4 (0,8x4,0)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PYK 10	446 479	50	NPP/PYK 16	450 419	25

Partition Plate



Type	Order No	Qty.
APP PYK 10	463 200	25

Push-in Cross Connection

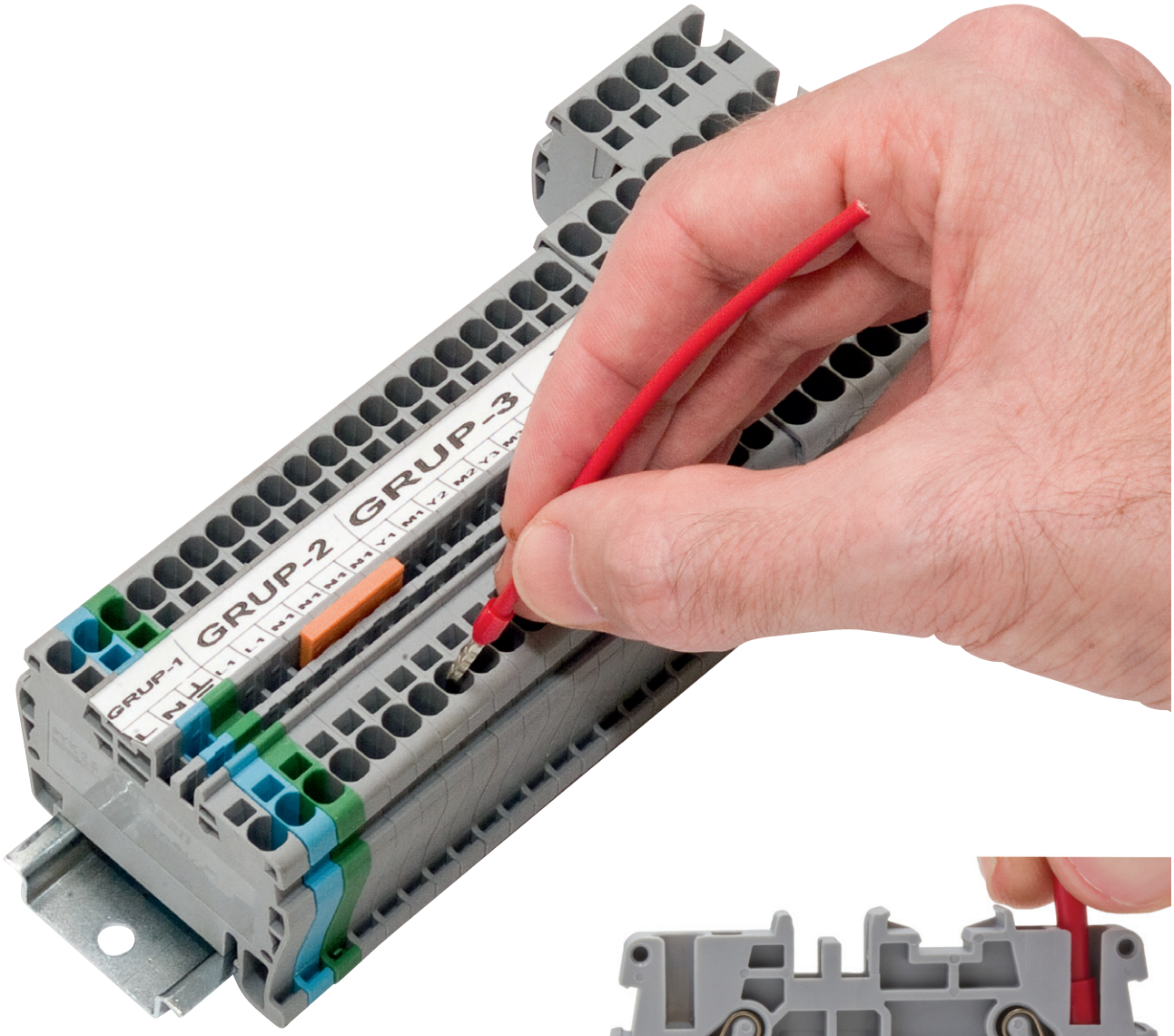


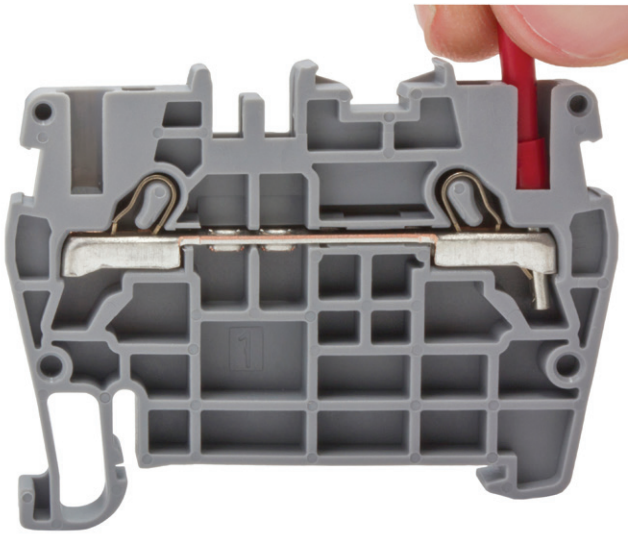
Type	Order No	Qty.	Type	Order No	Qty.
UK 10/2	476 252	25	UK 16/2	470 142	25
UK 10/3	476 253	20	UK 16/3	470 143	20
UK 10/4	476 254	15	UK 16/4	470 144	15
UK 10/10	476 259	5	UK 16/5	470 145	10

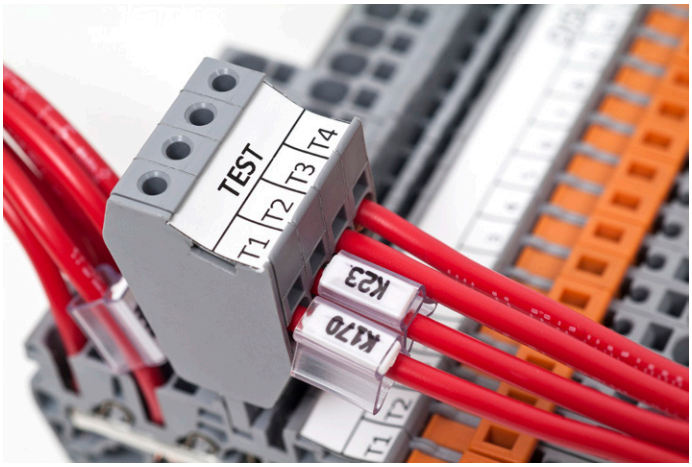
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B6	1/B7
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, SLF-P2 W, DG 10/10, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm	D-NS 12x10, DG 10/10, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

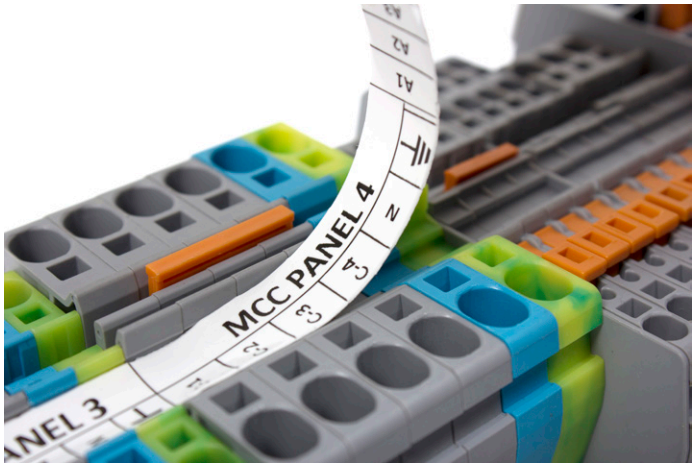
Package Quantity		
	50 pcs.	30 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8


GRUP-1
GRUP-2
GRUP-3



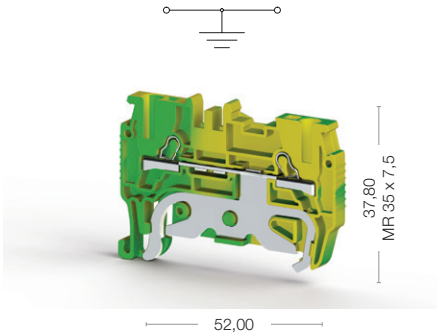

TEST
T1
T2
T3
T4
K23
K170


MCC PANEL 4
N
C4
C3
C2
C1
A1
A2

Practical Spring Clamp Earth Terminals

PYK 1,5 MT

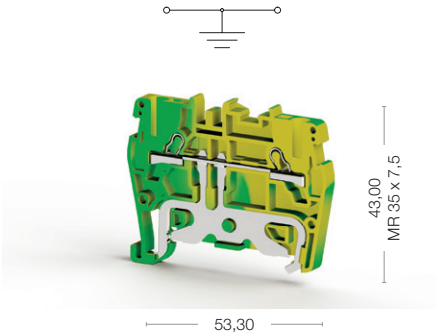
Width: 4,2 mm



Cat No: 336 440

PYK 1,5 T

Width: 4,2 mm



Cat No: 336 490

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			1,5 mm²			1,5 mm²
UL						
VDE (IEC 60947-7-2)						
CSA						
ATEX			0,5-2,5 mm²			0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,34-2,5 mm²	0,34-2,5 mm²
Conductor cross section stranded (min.-max.)	0,34-1,5 mm²	0,34-1,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 22-14	AWG 22-14
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 1 (0,4x2,5)	KTD 1 (0,4x2,5)

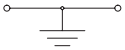
End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PYK 1,5 MT	446 632 T	100	NPP/PYK 1,5 T	446 442 T	10

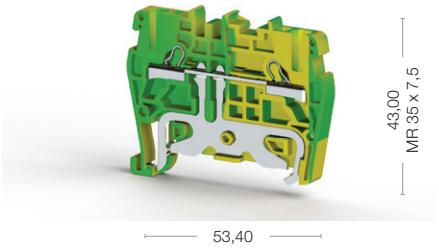
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A1-B1	1/A1-B1
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 4,2x6, DB 6/4, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm	D-NS 4,2x6, DB 6/4, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

Package Quantity		
	100 pcs.	100 pcs.

PYK 2,5 T

Width: 5 mm





Cat No:

336 500

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 22-12
		2,5 mm²
		0,5-2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

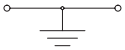
Type	Order No	Qty.
NPP/PYK 2,5 T	446 442 T	10

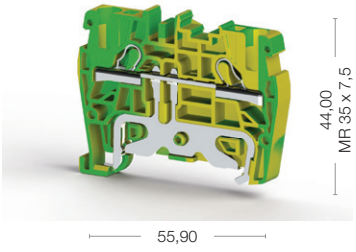
8/3
1/A3
IP 20 / PE
D-NS 5x10, SLF-P2 W , DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

50 pcs.

PYK 4 T

Width: 6 mm





Cat No:

336 510

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 22-10
		4 mm²
		0,5-2,5 mm²

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PYK 4 T	446 452 T	10

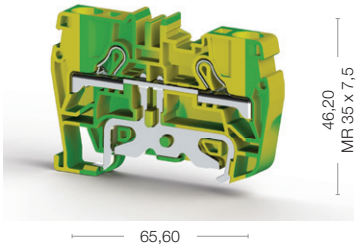
8/3
1/A4
IP 20 / PE
D-NS 6x10, SLF-P2 W , DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

50 pcs.

Practical Spring Clamp Earth Terminals

PYK 6 T

Width: 8 mm

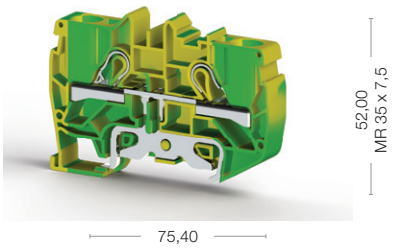


Cat No:

336 520

PYK 10 T

Width: 10 mm



Cat No:

336 530

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			6 mm²			10 mm²
UL	600		AWG 20-8	600		AWG 20-6
VDE (IEC 60947-7-2)						
CSA						
ATEX			0,5-6 mm²			0,5-10 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,5-10 mm²	0,5-16 mm²
Conductor cross section stranded (min.-max.)	0,5-6 mm²	0,5-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1,5 mm²	4 mm²
AWG Conductor	AWG 20-8	AWG 20-6
Insulation Stripping Length (min.-max.)	11-13 mm	13-15 mm
Screwdriver	KTD 3 (0,6x3,5)	KTD 4 (0,8x4,0)

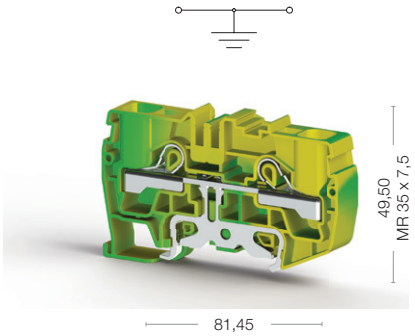
End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PYK 6 T	446 462 T	10	NPP/PYK 10 T	446 472 T	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A5	1/B6
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, SLF-P2 W, DG 10/8, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm	D-NS 10x10, SLF-P2 W, DG 10/10, SLF-P1 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

Package Quantity		
	60 pcs.	25 pcs.

PYK 16 T

Width: 12 mm



Cat No:

336 640

Voltage, V ~	Current, A	Cross-Section
		16 mm²
		AWG 20-4

0,5-25 mm²
0,5-16 mm²
4 mm²
AWG 20-4
16-18 mm
KTD 4 (0,8x4,0)

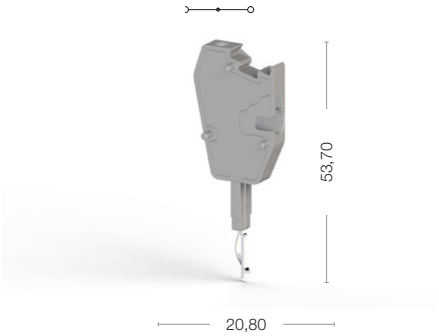
Type	Order No	Qty.
NPP/PYK 16 T	450 412 T	25

8/3
1/B7
IP 20 / PE
D-NS 12x10, DG 10/10, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm

30 pcs.

PYK Test

Width: 5 mm



Cat No:

498 559
498 550

Voltage, V ~	Current, A	Cross-Section
250	17,5	1,5 mm²
300	15	AWG 22-14

0,34-2,5 mm²
0,34-1,5 mm²
0,5 mm²
AWG 22-14
9-10 mm
KTD 1 (0,4x2,5)

PYK TEST A	498 659	25

8/3
1/A1-B1
IP 20 / -

25 pcs.

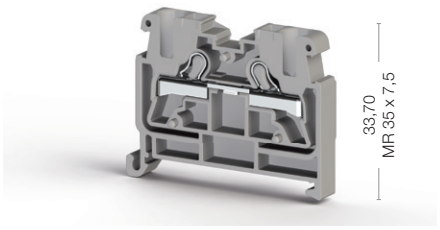
Used for Terminals	
307 109	PYK 2,5
307 119	PYK 4
307 229	PYK 4 E
307 169	PYK 2,5 A
307 219	PYK 2,5 CCA
307 389	PYK 2,5 C
307439	PYK 2,5 E
304 200	AVK 2,5 RD
304 210	AVK 4 RD

PYK test terminals, which minimize the time needed for test and control connections, can be marked with Standard marking tags and thermal printer labels. PYK test terminals, being as a group together, Terminals can be used with PYK 2,5 terminals. When PYK Test A plates are added to Test terminals, the Terminals can be used with PYK 4 terminals.

PYKMR Series Mini Terminals

PYKMR 2,5

Width: 5 mm

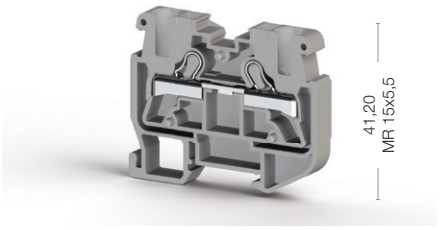


Cat No:

307 499
307 490

PYKM 2,5

Width: 5 mm

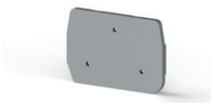


Cat No:

307 399
307 390

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	800	24	2,5 mm²	800	24	2,5 mm²
UL				600	20	AWG 22-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	630	21	0,5-4 mm²	690	21	0,5-4 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

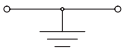
End Plate		Type	Order No	Qty.	Type	Order No	Qty.
	Grey	NPP1 R 2,5	446 589	100	NPP1 PYKM 2,5	446 589	100
	Grey	NPP2 PYKMR 2,5	446 599	100	NPP2 PYKM 2,5	446 599	100
	Yellow- Green						
	Yellow- Green						

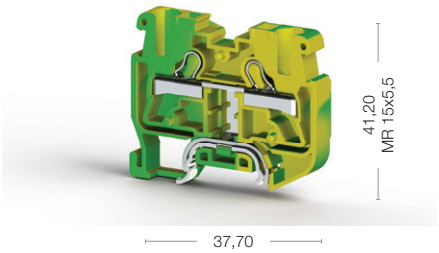
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x6, DB 5, DB 10/5, DG 6/5, DG 10/5T, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm			D-NS 5x6, DB 5, DB 10/5, DG 6/5, DG 10/5T, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100mm, KCSLF-W 11,2x100mm		

Package Quantity						
	50 pcs.			50 pcs.		

PYKM 2,5 T

Width: 5 mm





Cat No:

336 430

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 22-12
		0,5-4 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

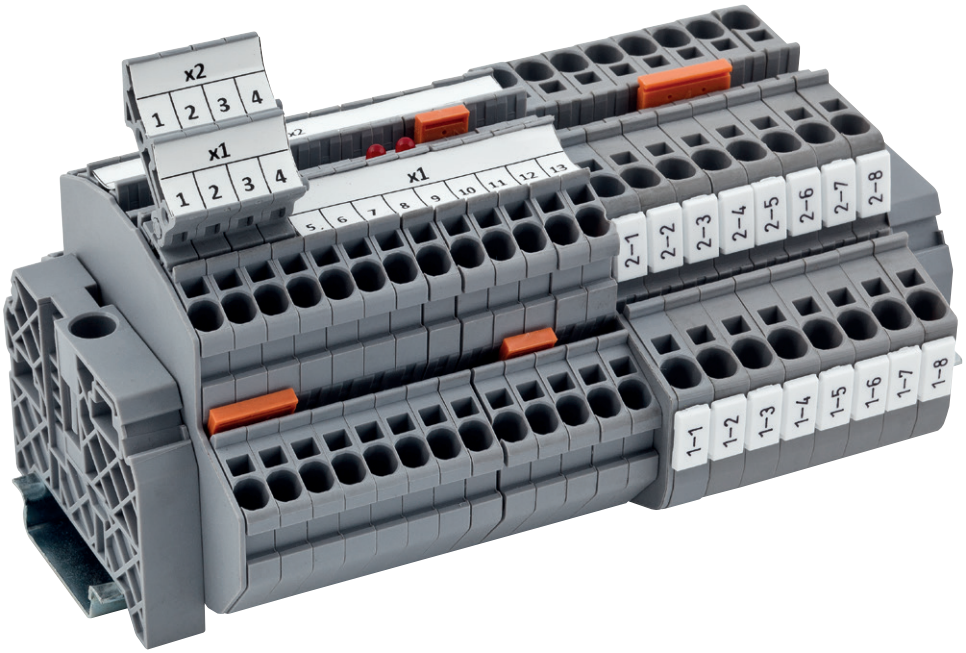
Type	Order No	Qty.
NPP1 PYKM 2,5T	446 582 T	25
NPP2 PYKM 2,5T	446 592 T	25

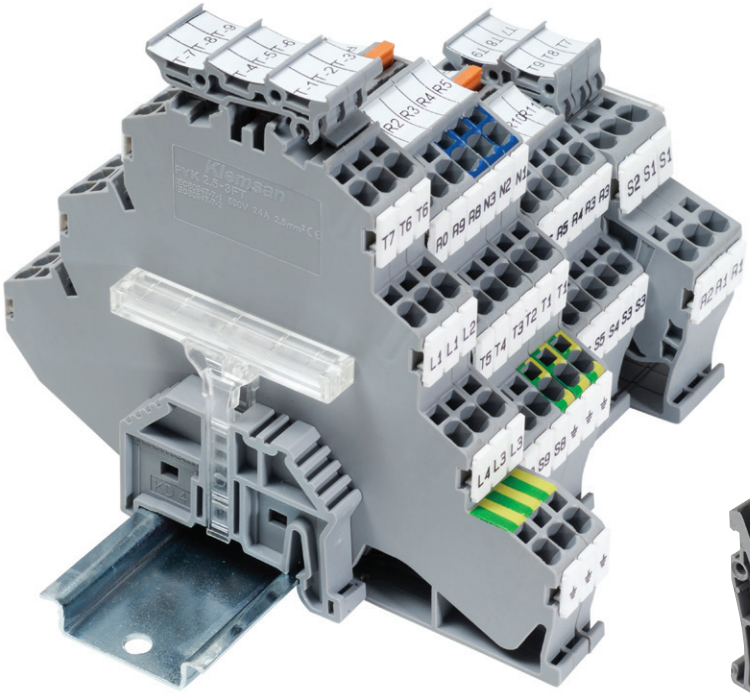
8/3
1/A3
IP 20 / PE
D-NS 5x6, DB 5, DB 10/5, DG 6/5, DG 10/5T, SLF-P1 W, SLF-P2 W, KCSLF-W 4,9x100, KCSLF-W 11,2x100

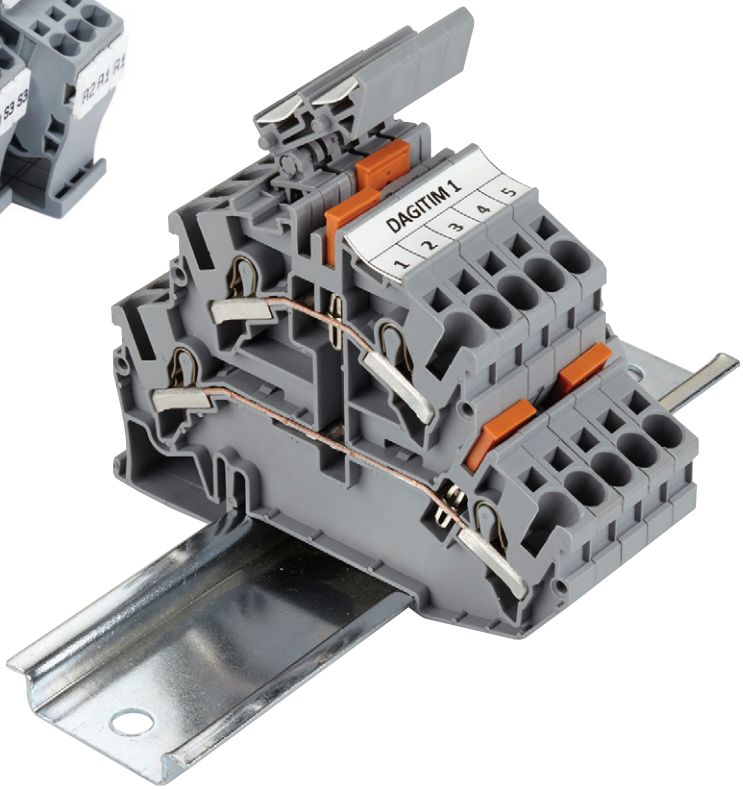
50 pcs.

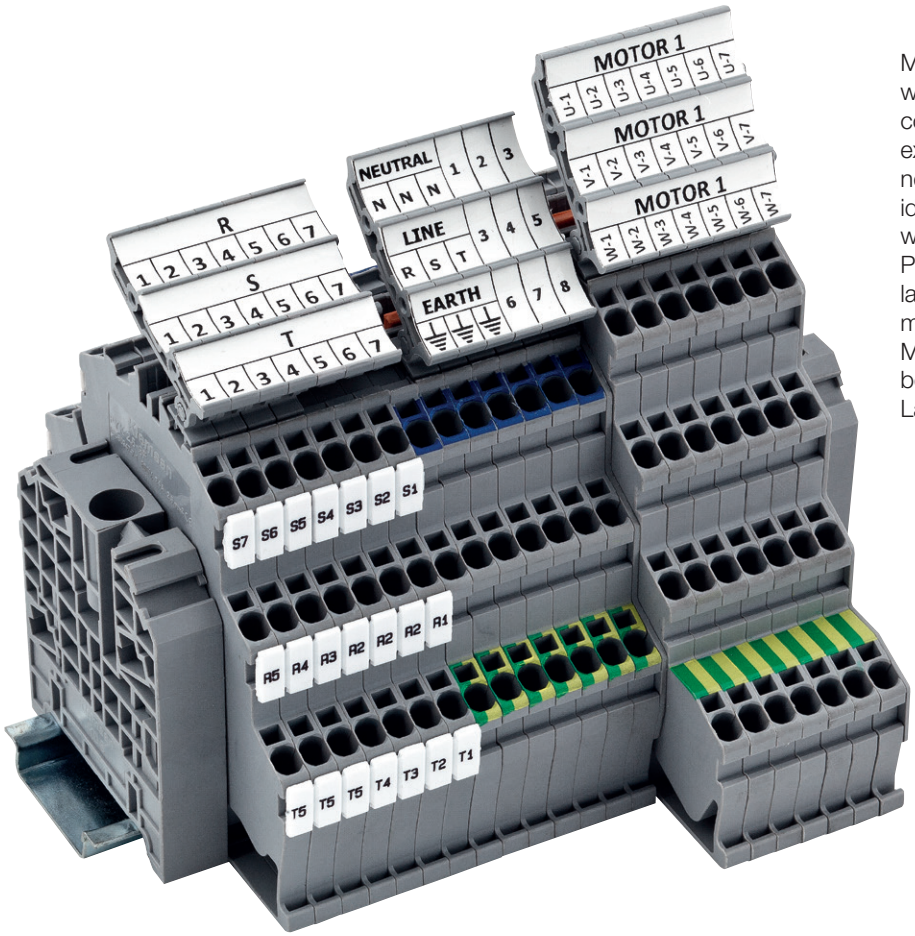
PYK Series Multilevel Rail Terminals

Double Deck Practical Spring Terminals are available in 2,5 - 4 mm cross section range. Double wiring density available without extension of mounting rails. Interconnection / shorting can be done at both layers. Group marking carrier is used to provide more visual marking in base layer. Special Marking solutions for each cross section can be provided by Thermal Printing and Plotter Labeling.

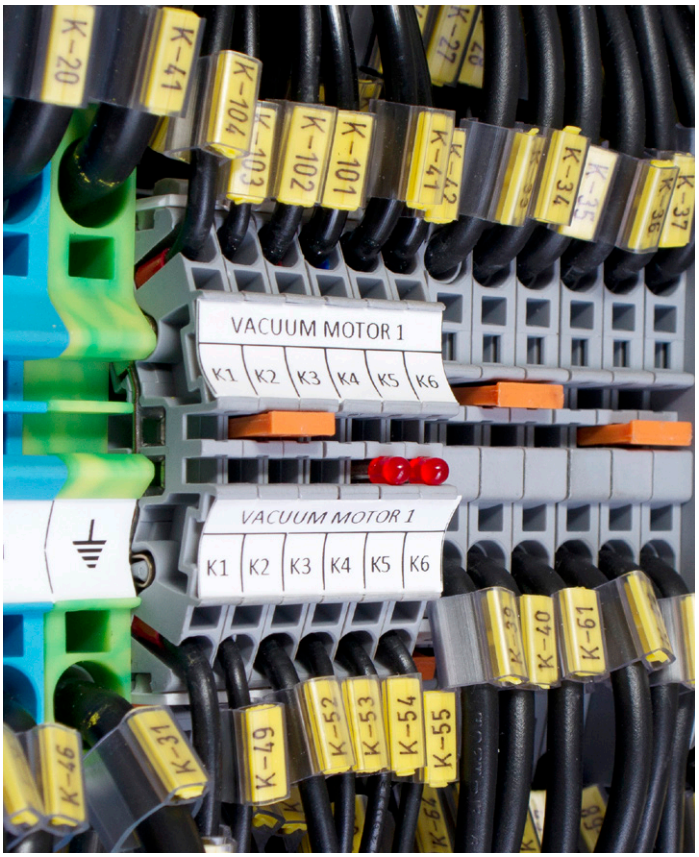


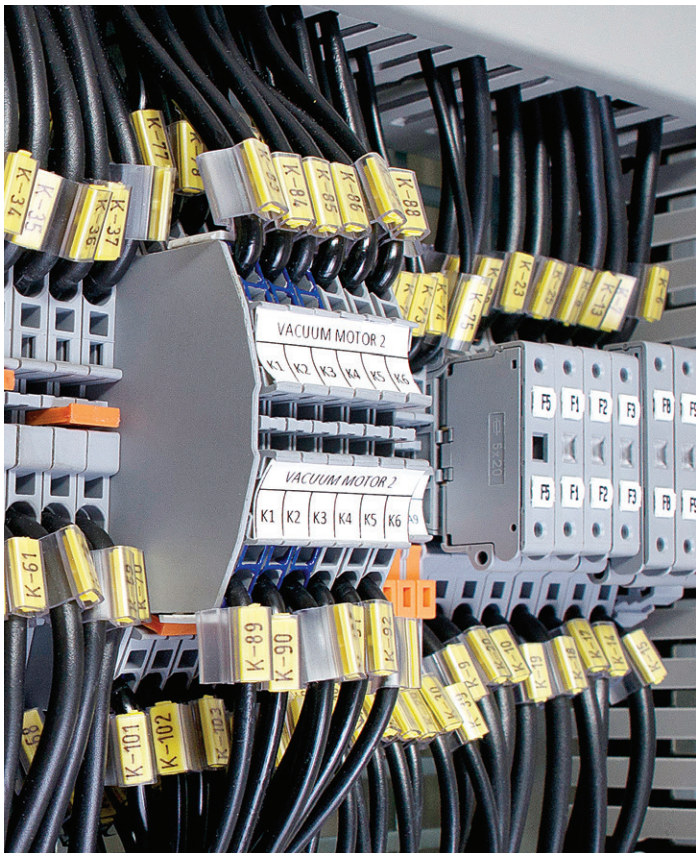






Multilevel Practical Spring Terminals make wiring more practical, reduce the installation costs and speed the wiring. Panels which exist switch lines & lightening, provide phase-neutral-Earth connection in one terminal. Are ideal for usage in industries where motors are working a lot, because of more practical wiring. Provide individual cross connections for each layer. Group marking carrier is used to provide more visual marking in base layer. Special Marking solutions for each cross section can be provided by Thermal Printing and Plotter Labeling.

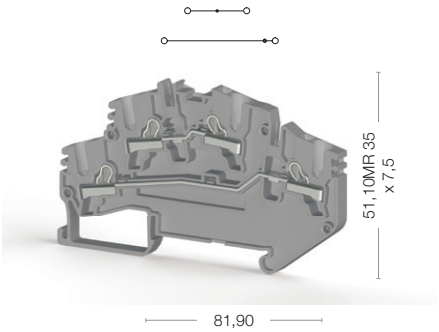




Double - Deck Practical Spring Clamp Line Type Terminals

PYK 2,5 - M2F

Width: 5 mm

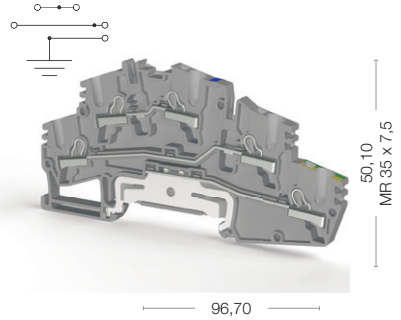


Cat No:

307 699
307 690

PYK 2,5 - M2FT

Width: 5 mm



Cat No:

307 709
307 700

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	250	24	2,5 mm²	250	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP PYK 2,5-M2F	450 439	10	NPP PYK 2,5-M2FT	450 429	30

Cross Connection



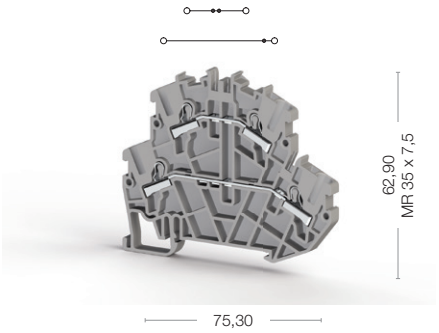
Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	30 pcs.			30 pcs.		

PYK 2,5 - 2 F

Width: 5 mm



Cat No:

307 179
307 170

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 22-12
400	18	0,5-2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 2,5-2 F	446 519	10

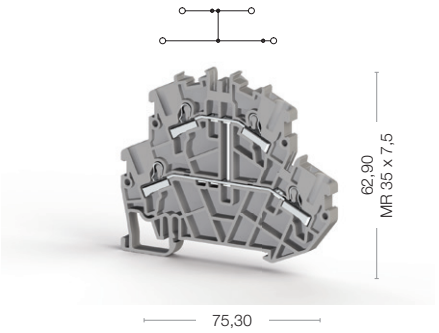
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG, 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

40 pcs.

PYK 2,5 - 2 FK

Width: 5 mm



Cat No:

307 239
307 230

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 20-12

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 2,5-2 FK	446 519	10

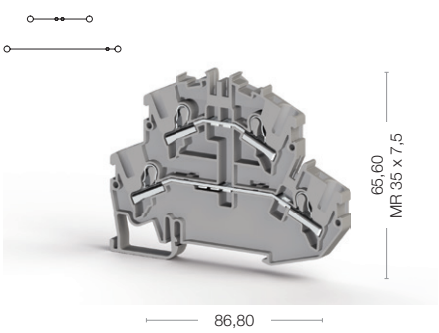
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

40 pcs.

PYK 4 - 2 FN

Width: 6 mm



Cat No:

307 579
307 570

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP PYK 4-2 FN	446 669	25

Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

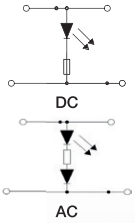
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

25 pcs.

Double - Deck Practical Spring Clamp Terminals

PYK 2,5 - 2 FLD

Width: 5 mm



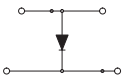


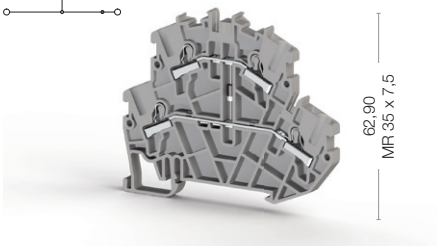
Cat No:

307 349
307 340

PYK 2,5 - 2 FD A

Width: 5 mm





Cat No:

307 369
307 360

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)		24	2,5 mm²	500	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,34-4 mm²	0,34-4 mm²
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²	0,34-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 22-12	AWG 22-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 1 (0,4x2,5)	KTD 1 (0,4x2,5)

Ordering Data	Type	Order No	Qty.
	24V DC	307 349	40
	220V AC	307 359	40

Technical Data For Diode		
Diode Voltage		1000 V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP PYK 2,5-2 FLD	446 519	10	NPP PYK 2,5-2 F	446 519	10

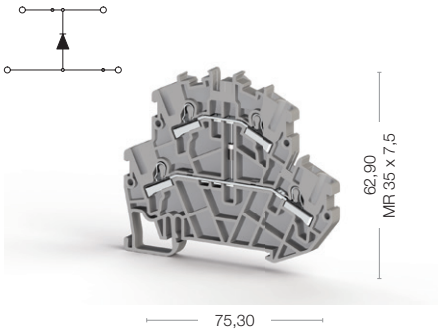
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
	UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
	UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
	UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
	UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
	UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	40 pcs.	40 pcs.

PYK 2,5 - 2 FD B

Width: 5 mm



Cat No:

307 379
307 370

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

1000 V
1 A
1 N 4007

Type	Order No	Qty.
NPP PYK 2,5-2 F	446 519	10

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

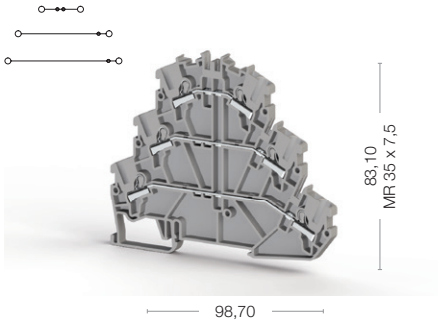
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

40 pcs.

Multilevel Practical Spring Clamp Terminals

PYK 2,5 - 3 F

Width: 5 mm

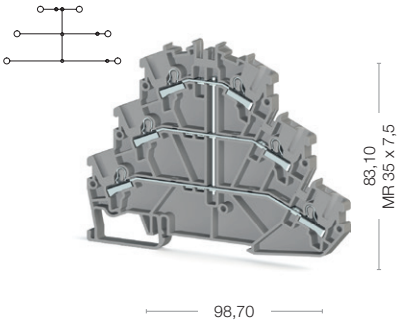


Cat No:

307 199
307 190

PYK 2,5 - 3 FK

Width: 5 mm



Cat No:

307 559
307 550

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 22-12			
VDE (IEC 60947-7-1)						
CSA						
ATEX	500	18	0,5-2,5 mm²			

Connection Data						
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP PYK 2,5-3 F	446 529	10	NPP PYK 2,5-3 FK	446 529	10

Cross Connection



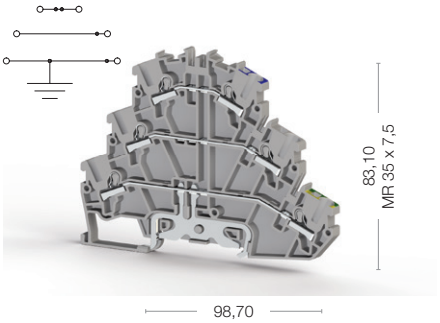
Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	30 pcs.	30 pcs.

PYK 2,5 - 2 FT

Width: 5 mm



Cat No:

307 189
307 180

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 22-12
400	18	0,5-2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 2,5-2 FT	446 529	10

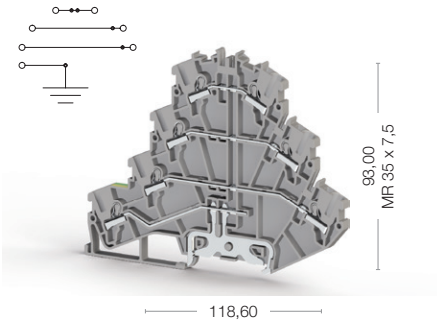
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

6/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

30 pcs.

PYK 2,5 - 3 FT

Width: 5 mm



Cat No:

307 209
307 200

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 22-12
400	18	0,5-2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 2,5-3 FT	446 539	30

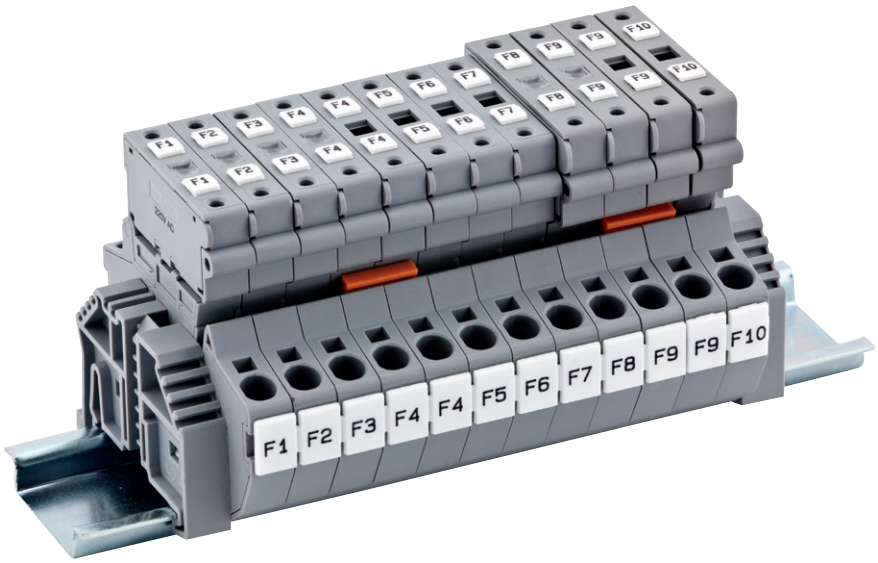
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

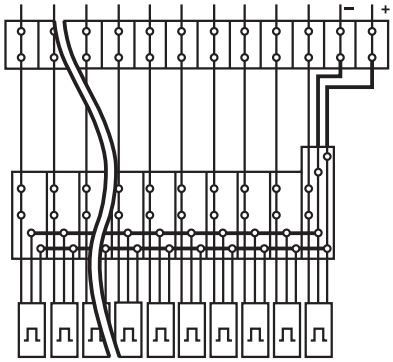
6/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm

30 pcs.

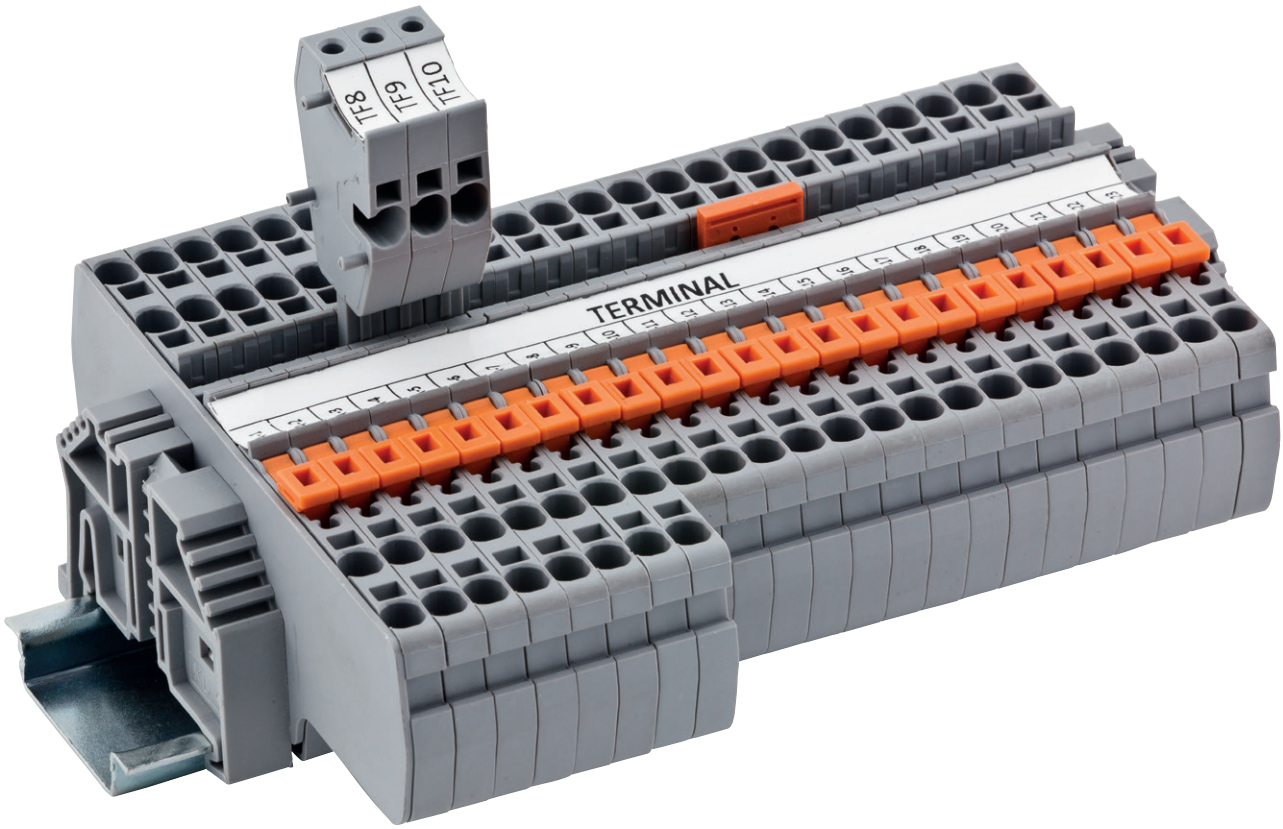
PYK Series Sensor / Fuse and Disconnect / Disconnect Terminals

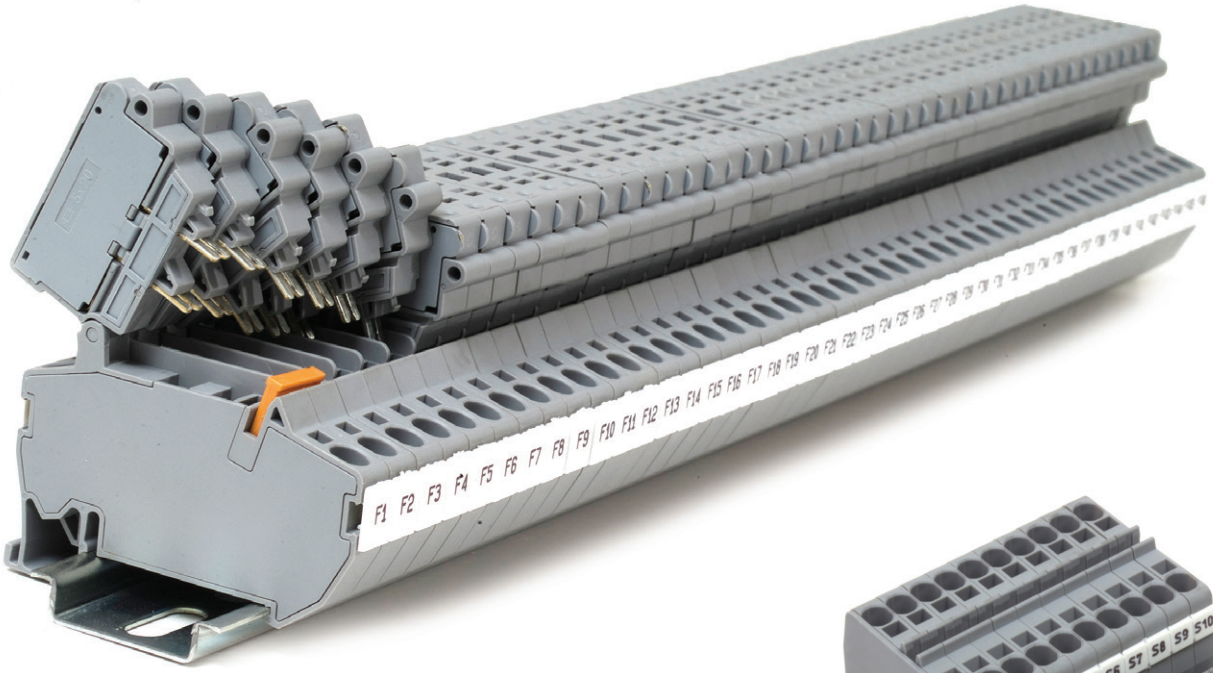
Practical Spring Clamp Fuse Terminals has a sliding type hinged carrier that has a specially designed space for catridge type glass fuse of size Ø 5x20 or Ø 5x25. Both sides of the terminals are closed and available for cross connection. Special Marking solutions can be provided by Plotter Labeling.

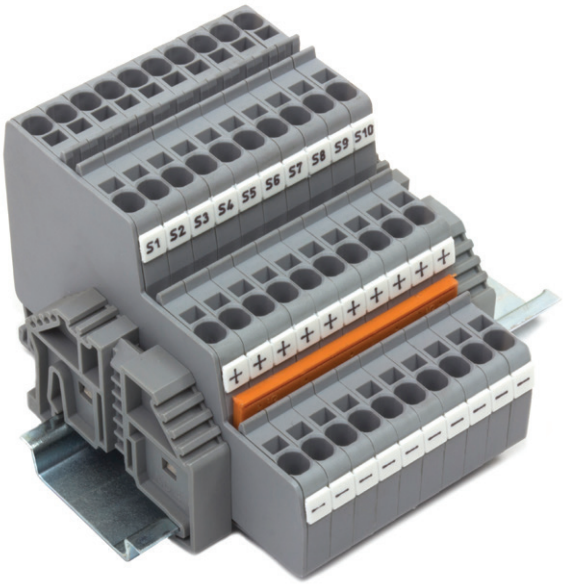




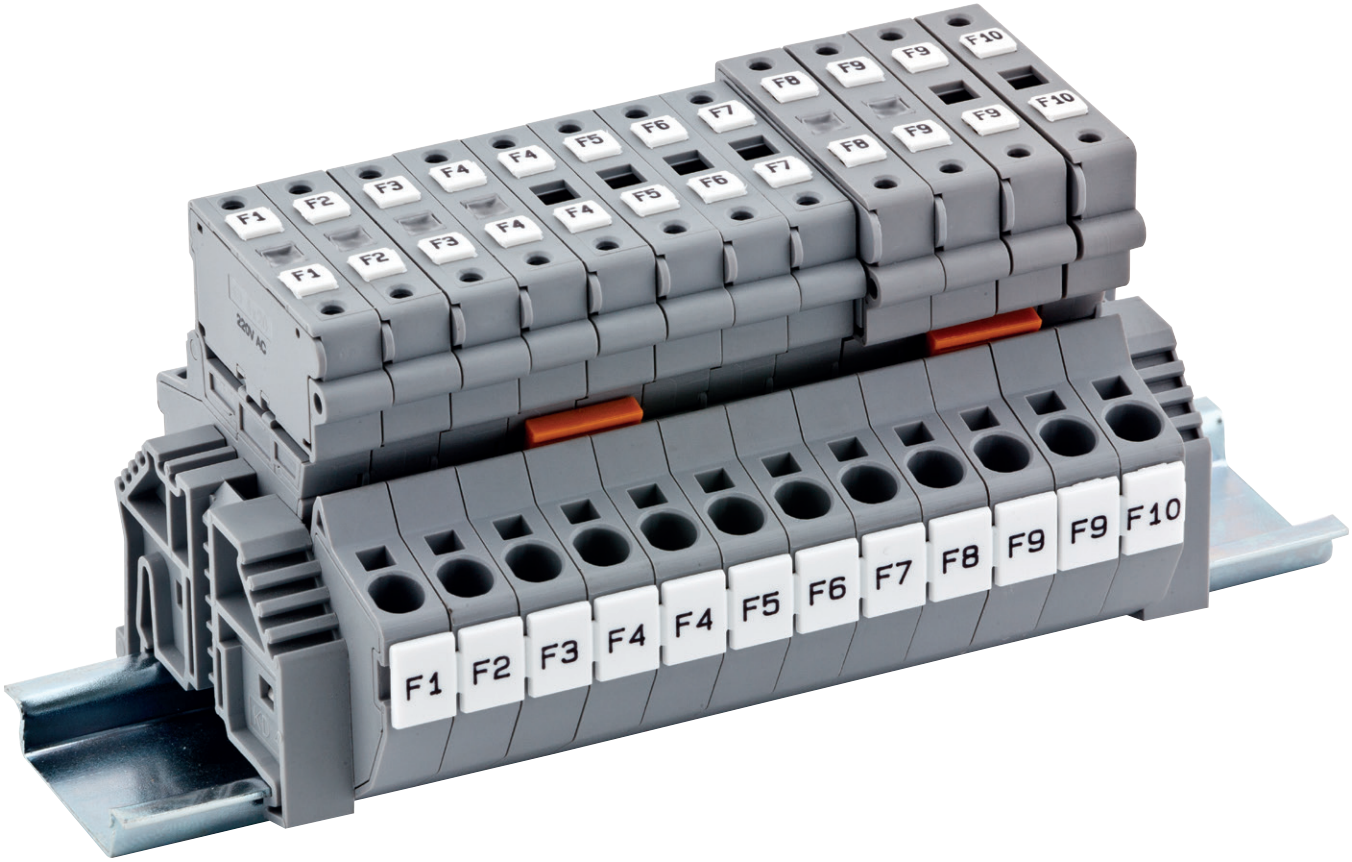
Practical Spring Terminals are making sensor connections, which are often used in industry, more practical and esthetic. All PYK series with single layer are available with marking strip printed on Thermal printer, using Klemark Software. Terminals can be used with NPN and PNP types of sensors. Special Marking solutions for each cross section can be provided by Thermal Printing and Plotter Labeling.







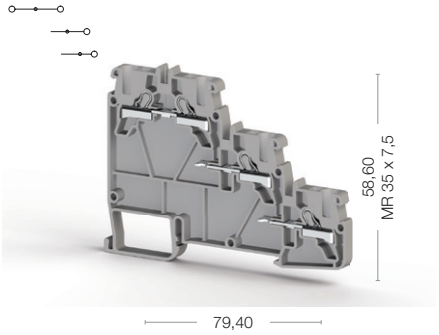
PYK series Disconnect Terminals enables to safely open-close the circuit , when the energy is on in the system. Can be marked with Thermal marking strip and cross-connected together with all other single-level terminals. Special Marking solutions can be provided by Thermal Printing and Plotter Labeling.



Practical Spring Clamp Sensor Terminals

PYK 3 S

Width: 5 mm

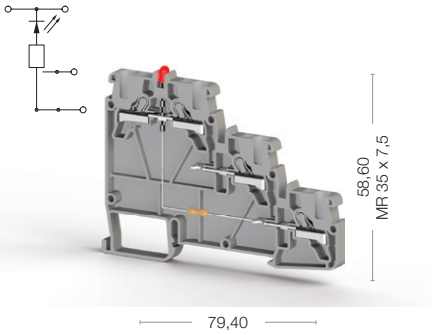


Cat No:

307 409
307 400

PYK 3 SLD (NPN)

Width: 5 mm



Cat No:

307 419
307 410

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	250	24	2,5 mm²	24	24	2,5 mm²
UL	300	20	AWG 22-12			
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP PYK 3 S	446 609	10	NPP PYK 3 S	446 609	10

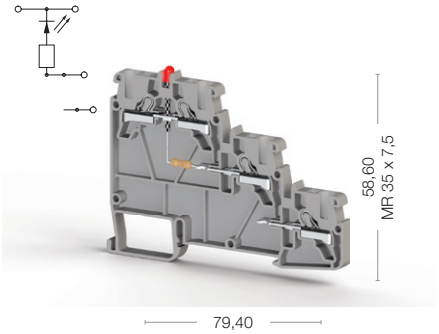
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
	UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
	UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
	UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
	UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
	UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, KCSLF-W 4,9x100mm			D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, KCSLF-W 4,9x100mm		

Package Quantity						
	20 pcs.			20 pcs.		

PYK 3 SLD (PNP)

Width: 5 mm



Cat No:

307 429
307 420

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP PYK 3 S	446 609	10

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

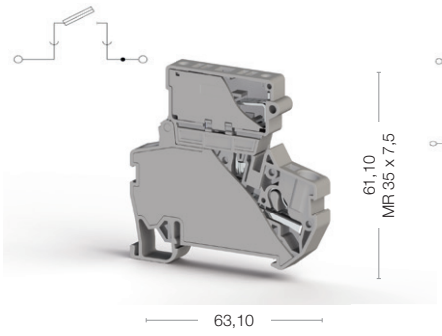
8/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, KCSLF-W 4,9x100mm

20 pcs.

Practical Spring Clamp Fuse and Disconnect Terminals

PYK 4 S

Width: 8 mm

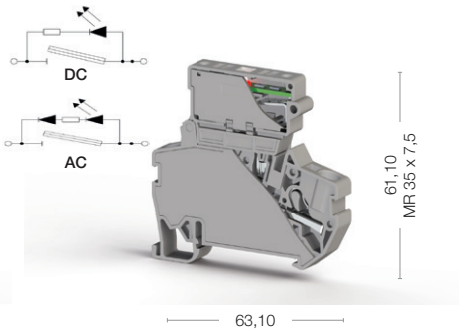


Cat No:

307 249
307 240

PYK 4 SLD

Width: 8 mm



Cat No:

307 259
307 250

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	500	10	4 mm²		10	4 mm²
UL	300	10	AWG 22-10		10	AWG 22-10
VDE (IEC 60947-7-3)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,34-6 mm²	0,34-6 mm²
Conductor cross section stranded (min.-max.)	0,25-4 mm²	0,25-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	AWG 22-10	AWG 22-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)	KTD 2 (0,5x3,0)

Ordering Data	Type	Order No	Qty.	Type	Order No	Qty.
Grey	PYK 4 S (5x20)	307 249	15	PYK 4 SLD (5x20)	307 259 (24V DC)	15
Beige	PYK 4 S (5x20)	307 240	15	PYK 4 SLD (5x20)	307 269 (220V AC)	15
Grey	PYK 4 S (5x25)	307 289	15	PYK 4 SLD (5x25)	307 299 (24V DC)	15
Beige	PYK 4 S (5x25)	307 280	15	PYK 4 SLD (5x25)	307 309 (220V AC)	15

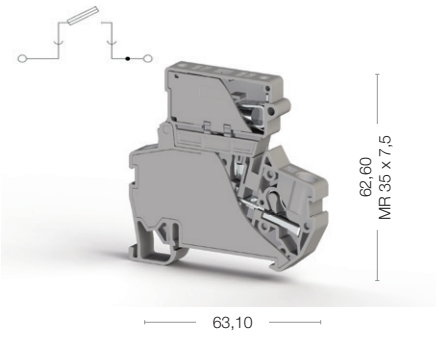
Push-in Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 6/2	476 242	25	UK 6/2	476 242	25
	UK 6/3	476 243	20	UK 6/3	476 243	20
	UK 6/4	476 244	15	UK 6/4	476 244	15
	UK 6/10	476 249	5	UK 6/10	476 249	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Fuse / Fuse Type	G/5x20-5x25	G/5x20-5x25
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, SLF-P2 W, DB 5, DG 10/8, KCSLF-W 4,9x100mm	D-NS 8x10, SLF-P2 W, DB 5, DG 10/8, KCSLF-W 4,9x100mm

Package Quantity		
	15 pcs.	15 pcs.

PYK 4 I

Width: 8 mm



Cat No:

307 319
307 310

Voltage, V ~	Current, A	Cross-Section
500	10	4 mm²
300	10	AWG 22-10

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

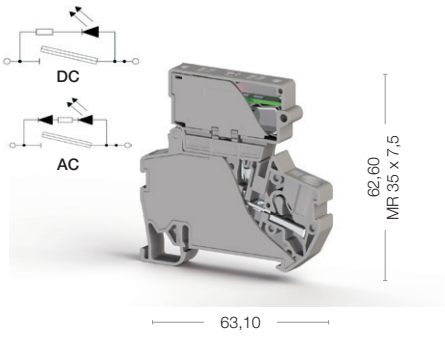
Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

6/3
1/A4
IP 20 / -
G/6,35x31,75
D-NS 8x10, SLF-P2 W, DB 5, DG 10/8, KCSLF-W 4,9x100mm

15 pcs.

PYK 4 ILD

Width: 8 mm



Cat No:

307 329
307 320

Voltage, V ~	Current, A	Cross-Section
	10	4 mm²
	10	AWG 22-10

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
PYK 4 ILD	307 329 (24V DC)	15
PYK 4 ILD	307 339 (220V AC)	15

Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	20
UK 6/4	476 244	15
UK 6/10	476 249	5

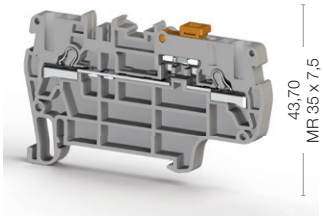
6/3
1/A4
IP 20 / -
G/6,35x31,75
D-NS 8x10, SLF-P2 W, DB 5, DG 10/8, KCSLF-W 4,9x100mm

15 pcs.

Practical Spring Clamp Fuse and Disconnect Terminals

PYK 2,5 A

Width: 5 mm

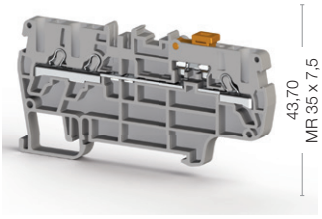


Cat No:

307 169
307 160

PYK 2,5 EA

Width: 5 mm

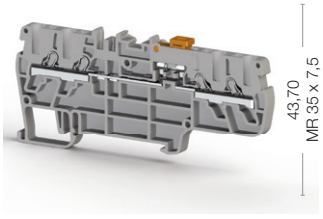


Cat No:

307 459
307 450

PYK 2,5 CCA

Width: 5 mm



Cat No:

307 219
307 210

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	400	20	2,5 mm²	400	16	2,5 mm²	400	16	2,5 mm²
UL	300	16	AWG 22-12				300	10	AWG 22-12
VDE (IEC 60947-7-1)									
CSA									
ATEX									
Connection Data									
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
NPP/PYK 2,5 A	446 509	100	NPP/PYK 2,5 EA	446 629	100	NPP/PYK 2,5 CCA	446 549	100

Push-in Cross Connection

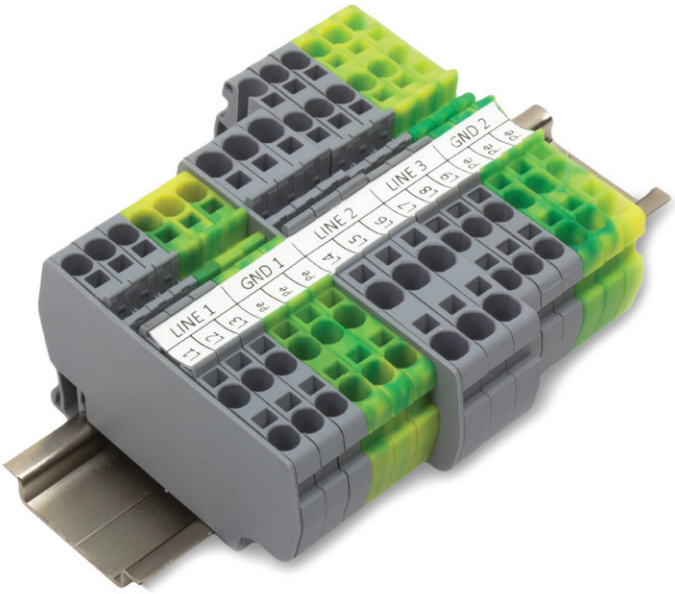


Type	Order No	Qty.	Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
UK 2,5/3	476 223	20	UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
UK 2,5/4	476 224	15	UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
UK 2,5/10	476 229	5	UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
UK 2,5/16	474 260	10	UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
UK 2,5/20	474 200	10	UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

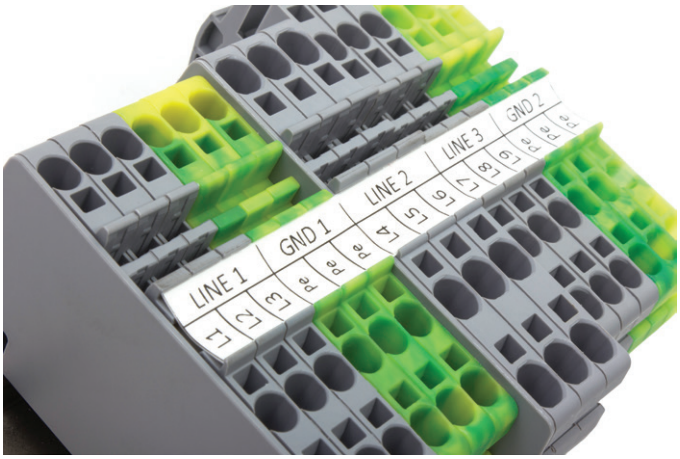
Technical Data			
Rated Impulse Voltage / Pollution severity	4/3	4/3	4/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)			
See pages 326-333 for a list of Dekafix	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm
Package Quantity			
	50 pcs.	60 pcs.	60 pcs.

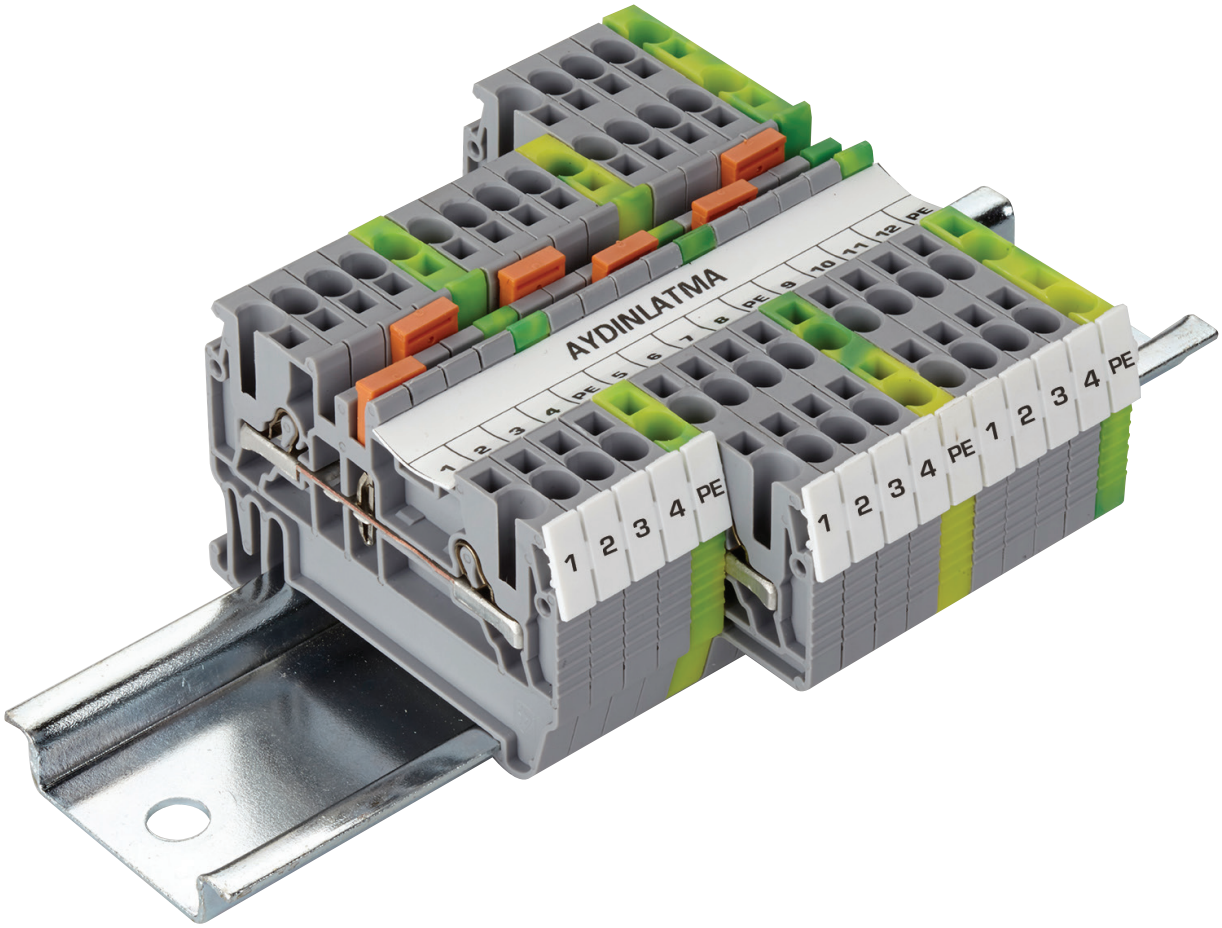
PYK Series Multi input/output Terminals

PYK Series One Input - Two Output
Two Input - Two Output Terminals



PYK Series Multi Input/Output Terminals make wiring more practical,reduce the installation costs where double and multilevel terminals cannot be used in the panels. Marking is available with all single layer PYK type terminals,Terminals can be used with test terminals and cross connection is available.Have same features in Earth terminals with same cross sections. Special Marking solutions for each cross section can be provided by Thermal Printing and Plotter Labeling.

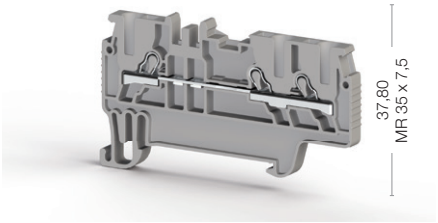




PYK Series
One Input - Two Output
Two Input - Two Output
Terminals

PYK 1,5 ME

Width: 4,2 mm

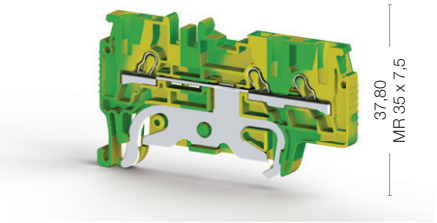


Cat No:

307 039
307 030

PYK 1,5 MET

Width: 4,2 mm



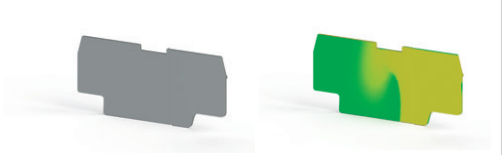
Cat No:

336 460

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	800	17,5	1,5 mm²			1,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX	500	15	0,5-2,5 mm²			0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,34-2,5 mm²	0,34-2,5 mm²
Conductor cross section stranded (min.-max.)	0,34-1,5 mm²	0,34-1,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 22-14	AWG 22-14
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 1 (0,4x2,5)	KTD 1 (0,4x2,5)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PYK 1,5 ME	446 649	100	NPP/PYK 1,5 MET	446 642T	100

Push-in Cross Connection



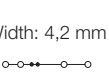
Type	Order No	Qty.
UK 1,5/2	476 602	25
UK 1,5/3	476 603	20
UK 1,5/4	476 604	15
UK 1,5/10	476 609	5

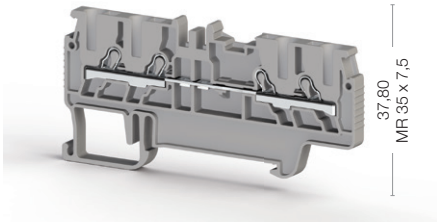
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A1-B1	1/A1-B1
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 4,2x6, DB 6/4	D-NS 4,2x6, DB 6/4

Package Quantity		
	70 pcs.	70 pcs.

PYK 1,5 MC

Width: 4,2 mm





Cat No:

307 029
307 020

Voltage, V ~	Current, A	Cross-Section
800	17,5	1,5 mm²
500	15	0,5-2,5 mm²

0,34-2,5 mm²
0,34-1,5 mm²
0,5 mm²
AWG 22-14
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP/PYK 1,5 MC	446 659	100

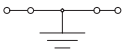
Type	Order No	Qty.
UK 1,5/2	476 602	25
UK 1,5/3	476 603	20
UK 1,5/4	476 604	15
UK 1,5/10	476 609	5

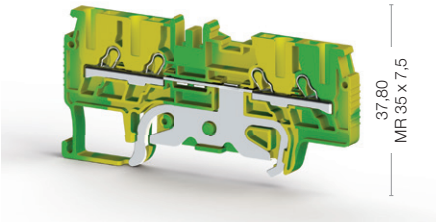
8/3
1/A1-B1
IP 20 / -
D-NS 4,2x6, DB 6/4

70 pcs.

PYK 1,5 MCT

Width: 4,2 mm





Cat No:

336 450

Voltage, V ~	Current, A	Cross-Section
		1,5 mm²
		0,5-2,5 mm²

0,34-2,5 mm²
0,34-1,5 mm²
0,5 mm²
AWG 22-14
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP/PYK 1,5 MCT	446 652T	100

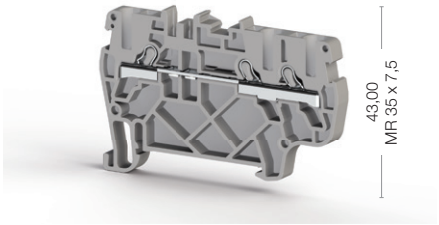
8/3
1/A1-B1
IP 20 / -
D-NS 4,2x6, DB 6/4

70 pcs.

PYK Series
One Input - Two Output
Two Input - Two Output
Terminals

PYK 2,5 E

Width: 5 mm

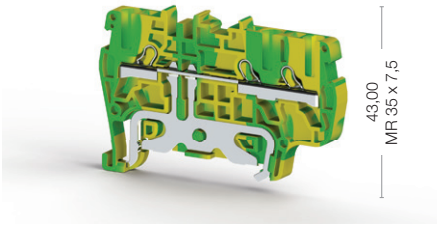


Cat No:

307 439
307 430

PYK 2,5 ET

Width: 5 mm



Cat No:

336 550

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	800	24	2,5 mm²			2,5 mm²
UL	600	20	AWG 22-12			AWG 22-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	630	21	0,5-4 mm²			0,5-4 mm²

Connection Data						
Conductor cross section solid (min-max.)	0,34-4 mm²			0,34-4 mm²		
Conductor cross section stranded (min.-max.)	0,34-2,5 mm²			0,34-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 22-12			AWG 22-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 1 (0,4x2,5)			KTD 1 (0,4x2,5)		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PYK 2,5 E	446 619	10	NPP/PYK 2,5 ET	446 612T	10

Test Terminal Block



Type	Order No	Qty.	Type	Order No	Qty.
PYK TEST	498 559	25			

Push-in Cross Connection



Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm	D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm

Package Quantity		
	50 pcs.	50 pcs.

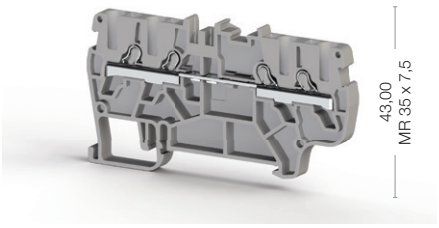
Color

Color code is the last digit of the order number

Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

PYK 2,5 C

Width: 5 mm



Cat No:

307 389
307 380

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²
600	20	AWG 22-12
630	21	0,5-4 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

Type	Order No	Qty.
NPP/PYK 2,5 C	446 499	10

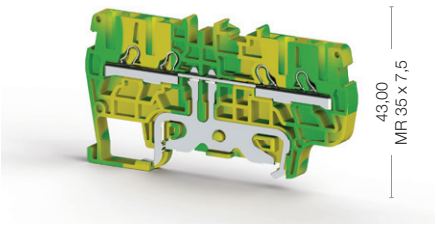
Type	Order No	Qty.
PYK TEST	498 559	25

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

8/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm
50 pcs.

PYK 2,5 CT

Width: 5 mm



Cat No:

336 540

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 22-12
		0,5-4 mm²

0,34-4 mm²
0,34-2,5 mm²
0,5 mm²
AWG 22-12
9-10 mm
KTD 1 (0,4x2,5)

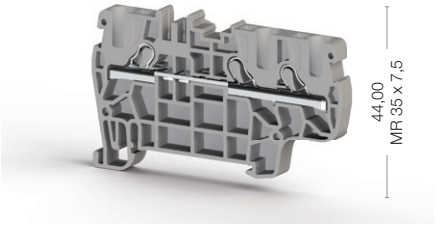
Type	Order No	Qty.
NPP/PYK 2,5 CT	446 492T	10

Type	Order No	Qty.

8/3
1/A3
IP 20 / -
D-NS 5x10, SLF-P2 W, DB 10/5, DG 10/5, DG 10/5T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm
50 pcs.

PYK 4 E

Width: 6 mm



Cat No:

307 229
307 220

Voltage, V ~	Current, A	Cross-Section
800	32	4 mm²
600	30	AWG 22-12
800	26	0,5-4 mm²

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PYK 4 E	446 559	50

Type	Order No	Qty.
PYK TEST	498 559	25
PYK TEST A	498 659	25

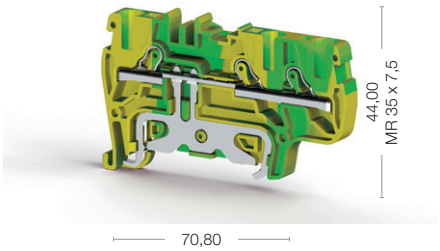
Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

8/3
1/A4
IP 20 / -
D-NS 6x10,SLF-P2 W, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm, KCSLF-W 4,9x100mm
50 pcs.

PYK Series
One input - Two Output
Two input - Two Output
Spring Clamp Terminals

PYK 4 ET

Width: 6 mm

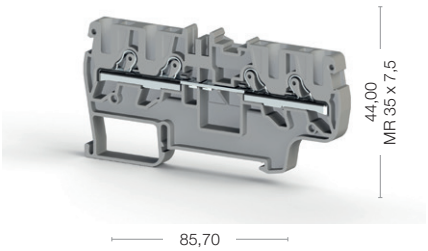


Cat No:

336 600

PYK 4 C

Width: 6 mm



Cat No:

307 669
307 660

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)			4 mm²	1000	32	4 mm²
UL			AWG 22-10	600	30	AWG 22-10
VDE (IEC 60947-7-1)						
CSA						
ATEX			0,5-4 mm²			

Connection Data		
Conductor cross section solid (min-max.)	0,34-6 mm²	0,34-6 mm²
Conductor cross section stranded (min.-max.)	0,25-4 mm²	0,25-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	AWG 22-10	AWG 22-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)	KTD 2 (0,5x3,0)

End Plate



Type	Order No	Qty.
NPP/PYK 4 ET	446 552T	50

Type	Order No	Qty.
NPP/PYK 4C	446 679	25

Test Terminal Block



Type	Order No	Qty.
PYK TEST	498 559	25
PYK TEST A	498 659	25

Push-in Cross Connection



Type	Order No	Qty.
UK 4/2	476 232	25
UK 4/3	476 233	20
UK 4/4	476 234	15
UK 4/10	476 239	5

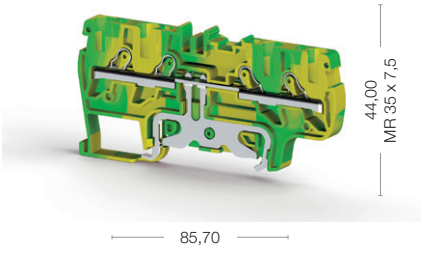
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	50 pcs.	45 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

PYK 4 CT

Width: 6 mm



Cat No:

336 610

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 22-10

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

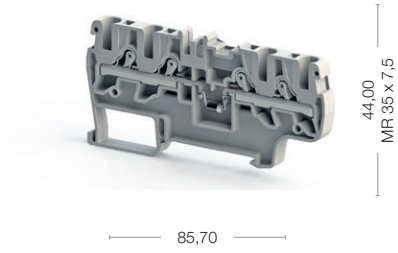
Type	Order No	Qty.
NPP/PYK 4 CT	446 672T	25

8/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

45 pcs.

PYK 4 CD-A

Width: 6 mm



Cat No:

307 679
307 670

Voltage, V ~	Current, A	Cross-Section
1000	1	4 mm²

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PYK 4C	446 679	25
NPP/PYK 4C	446 670	25

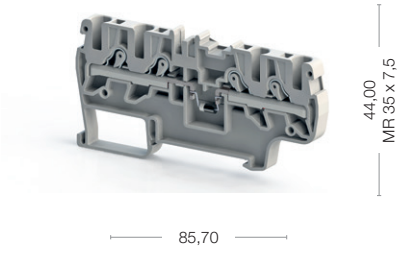
Type	Order No	Qty.
PYK TEST	498 559	25
PYK TEST A	498 659	25

8/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

45 pcs.

PYK 4 CD-B

Width: 6 mm



Cat No:

307 689
307 680

Voltage, V ~	Current, A	Cross-Section
1000	1	4 mm²

0,34-6 mm²
0,25-4 mm²
1 mm²
AWG 22-10
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PYK 4C	446 679	25
NPP/PYK 4C	446 670	25

Type	Order No	Qty.
PYK TEST	498 559	25
PYK TEST A	498 659	25

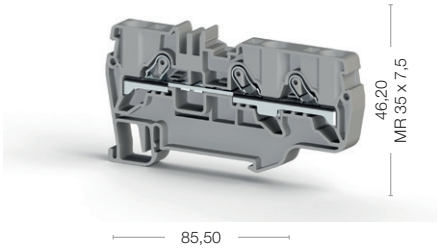
8/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

45 pcs.

PYK Series
One input - Two Output
Two input - Two Output
Spring Clamp Terminals

PYK 6 E

Width: 8 mm

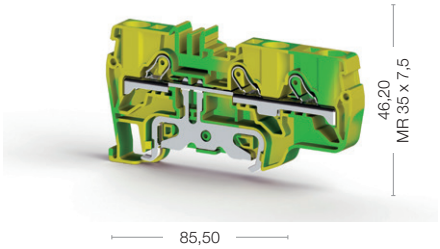


Cat No:

307 639
307 630

PYK 6 ET

Width: 8 mm



Cat No:

336 620

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	1000	41	6 mm²			6 mm²
UL	600	48	AWG 20-8			AWG 20-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,5-10 mm²			0,5-10 mm²		
Conductor cross section stranded (min.-max.)	0,5-6 mm²			0,5-6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1,5 mm²			1,5 mm²		
AWG Conductor	AWG 20-8			AWG 20-8		
Insulation Stripping Length (min.-max.)	11-13 mm			11-13 mm		
Screwdriver	KTD 3 (0,6x3,5)			KTD 3 (0,6x3,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PYK 6 E	446 689	25	NPP/PYK 6 ET	446 682T	25

Test Terminal Block	Type	Order No	Qty.
	PYK TEST	498 559	25

Push-in Cross Connection	Type	Order No	Qty.
	UK 6/2	476 242	25
	UK 6/3	476 243	10
	UK 6/4	476 244	15
	UK 6/9	476 249	5

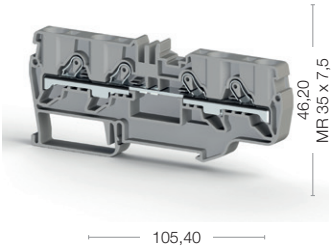
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A5	1/A5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8, DG 10/8T, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 8x10, DG 10/8, DG 10/8T, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	45 pcs.	45 pcs.

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

PYK 6 C

Width: 8 mm



Cat No:

307 649
307 640

Voltage, V ~	Current, A	Cross-Section
1000	41	6 mm²
600	48	AWG 20-8

0,5-10 mm²
0,5-6 mm²
1,5 mm²
AWG 20-8
11-13 mm
KTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PYK 6 C	446 699	25

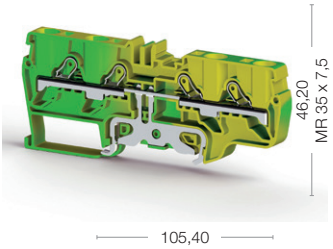
Type	Order No	Qty.
PYK TEST	498 559	25

Type	Order No	Qty.
UK 6/2	476 242	25
UK 6/3	476 243	10
UK 6/4	476 244	15
UK 6/9	476 249	5

8/3
1/A5
IP 20 / -
D-NS 8x10, DG 10/8, DG 10/8T, SLF-P1 W, KCSLF-W 11,2x100mm,
35 pcs.

PYK 6 CT

Width: 8 mm



Cat No:

336 630

Voltage, V ~	Current, A	Cross-Section
		6 mm²
		AWG 20-8

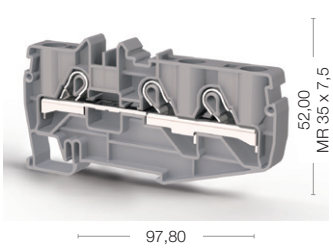
0,5-10 mm²
0,5-6 mm²
1,5 mm²
AWG 20-8
11-13 mm
KTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PYK 6 CT	446 692T	25

8/3
1/A5
IP 20 / -
D-NS 8x10, DG 10/8, DG 10/8T, SLF-P1 W, KCSLF-W 11,2x100mm,
35 pcs.

PYK 10 E

Width: 10 mm



Cat No:

307 149
307 140

Voltage, V ~	Current, A	Cross-Section
800	57	10 mm²

0,5-16 mm²
0,5-10 mm²
4 mm²
AWG 20-6
13-15 mm
KTD 4 (0,8x4,0)

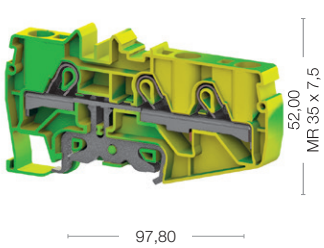
Type	Order No	Qty.
NPP/PYK 10E	446 709	25

Type	Order No	Qty.
UK 10/2	476 252	25
UK 10/3	476 253	20
UK 10/4	476 254	15
UK 10/10	476 259	5

8/3
1/B7
IP 20 / -
D-NS 10x10, DG 10/10, SLF-P1 W, KCSLF-W 11,2x100mm,
50 pcs.

PYK 10 ET

Width: 10 mm



Cat No:

336 650

Voltage, V ~	Current, A	Cross-Section
		10 mm²
		AWG 20-6

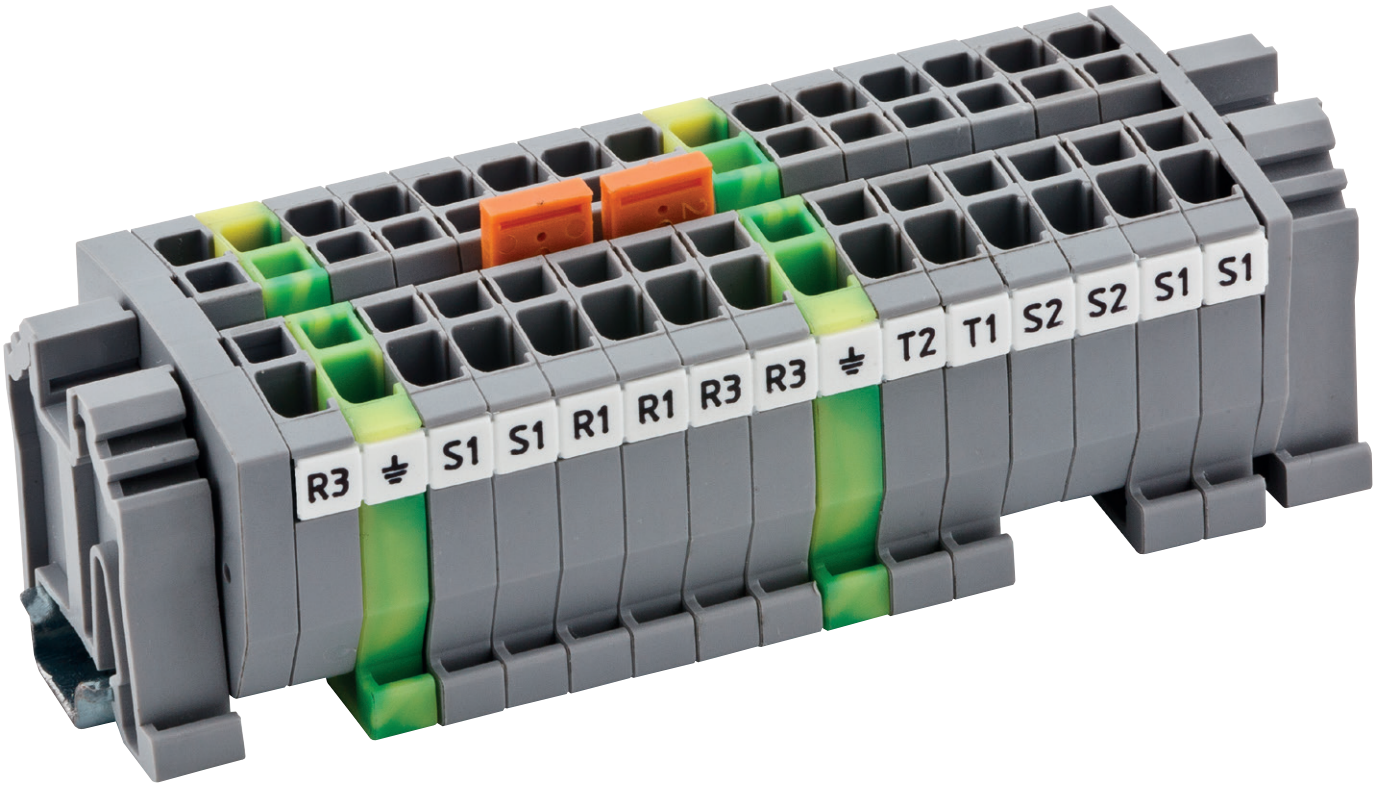
0,5-16 mm²
0,5-10 mm²
4 mm²
AWG 20-6
13-15 mm
KTD 4 (0,8x4,0)

Type	Order No	Qty.
NPP/PYK 10E	446 709	25

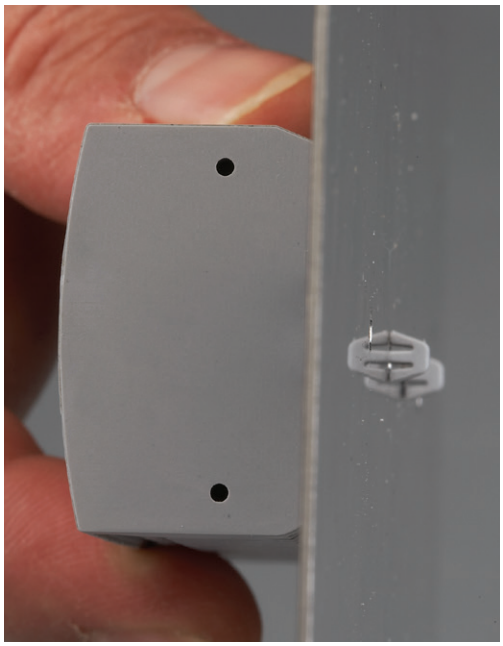
8/3
1/B7
IP 20 / -
D-NS 10x10, DG 10/10, SLF-P1 W, KCSLF-W 11,2x100mm,
50 pcs.

MYK Series Spring Clamp Terminals

MYK Type Mini Terminals are available in 2,5 mm² cross-section. Can be mounted on MR 15x5,5 mm DIN-rail or directly on a flat surface. Earth Terminals, accessories, suitable for each usage, like End Plates and Cross Connections, make the mounting process faster. Marking solutions can be provided by Plotter. MYK series offer ideal solutions to projects which have narrow and limited space in panels, junction Boxes.



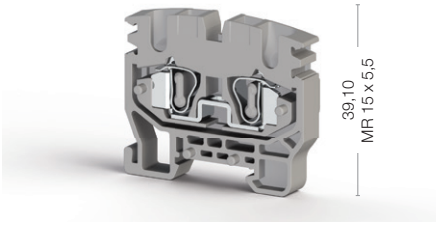




MYK Series Mini Terminals

MYK 2,5

Width: 5 mm

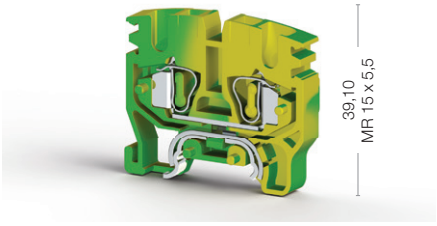


Cat No:

306 429
306 420

MYK 2,5 T

Width: 5 mm



Cat No:

336 420

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	750	24	2,5 mm²			2,5 mm²
UL	600	20	AWG 22-12			AWG 22-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	320/500	18	0,5-2,5 mm²			0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,08-4 mm²	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 28-12	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)	KTD 2 (0,5x3,0)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP 1 MYK	446 429	100	NPP 1 MYK 2,5 T	446 422T	100
NPP 2 MYK	446 439	100	NPP 2 MYK 2,5 T	446 432T	100

Push-in Cross Connection



Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5
UK 2,5/16	474 260	10
UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3	1/B3
Protection class / Protection conductor type	IP 20 / -	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5	DB 5

Package Quantity		
	50 pcs.	50 pcs.

Color

Color code is the last digit of the order number

Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

MYK Series Mini Terminals

MYPK 2,5

Width: 5 mm

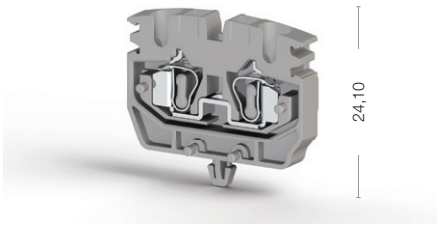


Cat No:

306 439
306 430

MYSK 2,5

Width: 5 mm



Cat No:

306 449
306 440

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	750	24	2,5 mm²	750	24	2,5 mm²
UL	600	20	AWG 22-12	600	20	AWG 22-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	320/500	18	0,5-2,5 mm²	320/500	18	0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,08-4 mm²	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 28-12	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)	KTD 2 (0,5x3,0)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP MYPD 1	495 079	100	NPP MYK 1	446 429	100
NPP MYPD 2	495 089	100	NPP MYK 2	446 439	100

Push-in Cross Connection



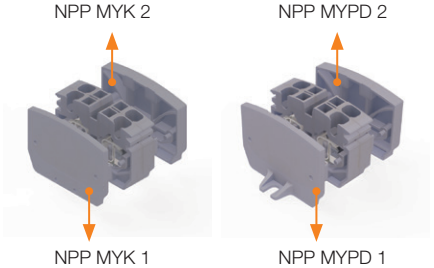
Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
UK 2,5/10	476 229	5	UK 2,5/10	476 229	5
UK 2,5/16	474 260	10	UK 2,5/16	474 260	10
UK 2,5/20	474 200	10	UK 2,5/20	474 200	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3	1/B3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5	DB 5

Package Quantity		
	100 pcs.	100 pcs.

* For panel surface Mounting

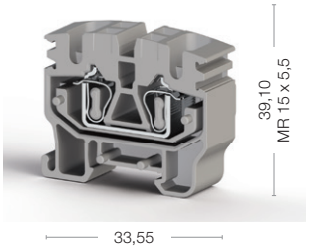
* 3.5 mm (diameter) hole must be opened on panel surface.



MYK Series Mini Terminals

MYK 2,5 C

Width: 10 mm



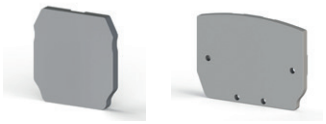
Cat No:

306 479
306 470

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	24	2,5 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²
AWG Conductor	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)

End Plate



Type	Order No	Qty.
NPP 1 MYK 2,5C	446 429	100
NPP 2 MYK 2,5C	446 439	100

Push-in Cross Connection

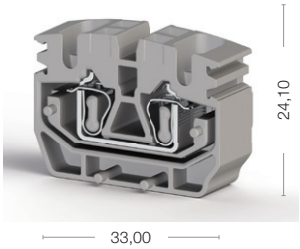


Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3
Protection class / Protection conductor type	IP 20 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	DB 5

Package Quantity
100 pcs.

MYPK 2,5 C

Width: 10 mm



Cat No:

306 489
306 480

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	24	2,5 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²
AWG Conductor	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)

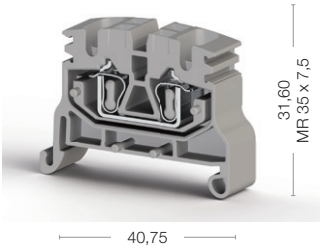
Type	Order No	Qty.
NPP MYPD 1	495 079	100
NPP MYPD 2	495 089	100

Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3
Protection class / Protection conductor type	IP 20 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	DB 5

Package Quantity
100 pcs.

MYKR 2,5 C

Width: 10 mm



Cat No:

306 499
306 490

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	800	24	2,5 mm²
UL			
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²
AWG Conductor	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP 1 MYK	446 429	100
NPP 2 MYK	446 439	100

Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3
Protection class / Protection conductor type	IP 20 / -
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	DB 5

Package Quantity
100 pcs.

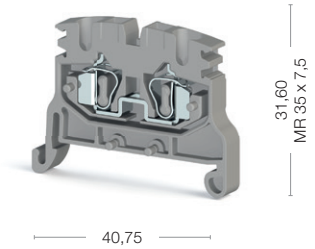
* For panel surface mounting

Color							
Color code is the last digit of the order number							
Blue	Green	Yellow	Red	Black	White	Orange	Brown
1	2	3	4	5	6	7	8

MYK Series Mini Terminals

MYKR 2,5

Width: 5 mm

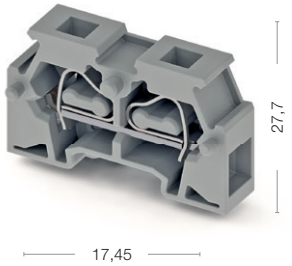


Cat No:

306 509
306 500

MPK 2,5

Width: 6,2 mm



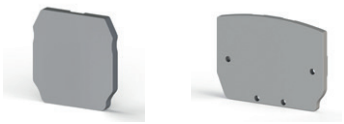
Cat No:

306 519
306 510

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	24	2,5 mm²	500	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08-4 mm²			0,08-4 mm²		
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²			0,08-2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	AWG 28-12			AWG 28-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Screwdriver	KTD 2 (0,5x3,0)			KTD 2 (0,5x3,0)		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP 1 MYK	446 429	100	DDR_MPK 2,5	450 459	25
NPP 2 MYK	446 439	100			

Push-in Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25			
UK 2,5/3	476 223	20			
UK 2,5/4	476 224	15			
UK 2,5/10	476 229	5			
UK 2,5/16	474 260	10			
UK 2,5/20	474 200	10			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/B3			1/B3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	DB 5			DB 5, DG 6/5, D-NS 6,2x6		

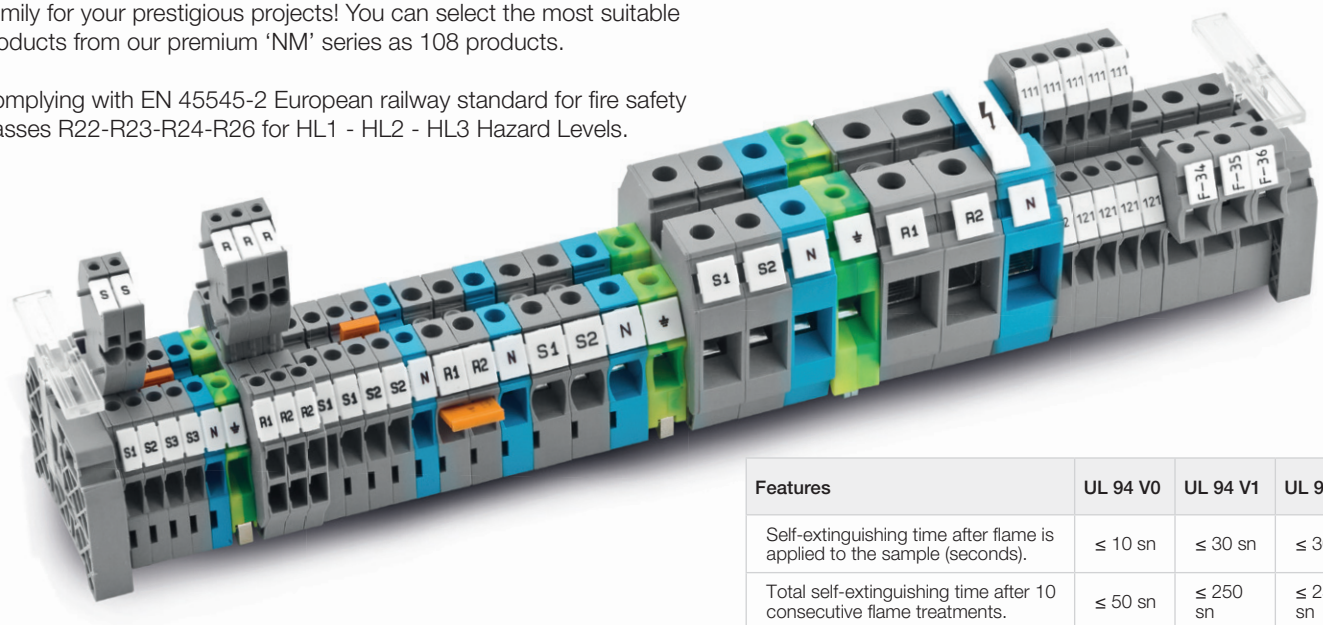
Package Quantity						
	50 pcs.			50 pcs.		

“V0” Flammability Rating Product Range

Screw Type ‘V0’ Products

‘V0’ flammability rating Screw Terminal Blocks are ready in KLEMSAN Family for your prestigious projects! You can select the most suitable products from our premium ‘NM’ series as 108 products.

Complying with EN 45545-2 European railway standard for fire safety classes R22-R23-R24-R26 for HL1 - HL2 - HL3 Hazard Levels.



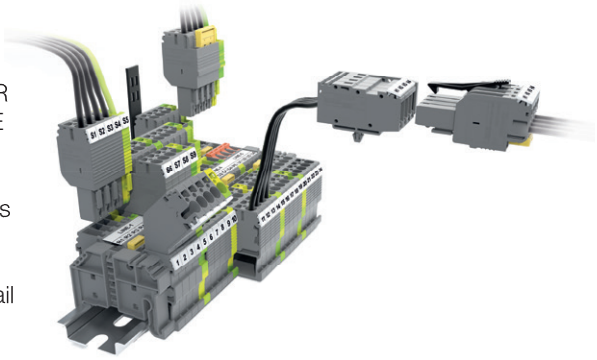
Features	UL 94 V0	UL 94 V1	UL 94 V2
Self-extinguishing time after flame is applied to the sample (seconds).	≤ 10 sn	≤ 30 sn	≤ 30 sn
Total self-extinguishing time after 10 consecutive flame treatments.	≤ 50 sn	≤ 250 sn	≤ 250 sn
Is the sample burn completely?	No	No	No
Subject material which shouldn’t ignite by dripping from the sample.	Cotton	Cotton	Paper

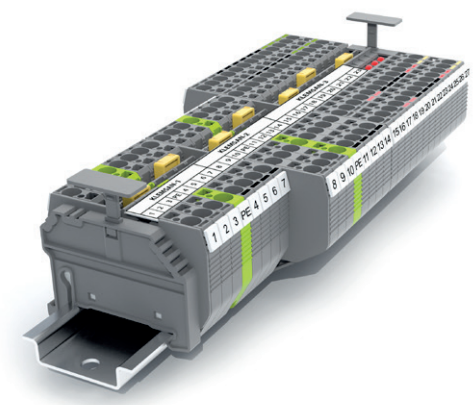
StoP Series Socket Type ‘V0’ Products

Klemsan StoP terminal blocks are highly recommended for LIFT / ELEVATOR INDUSTRY applications; also for RAILWAY TRANSPORTATION and MARINE INDUSTRIES as well.

Complying with EN 45545-2 European railway standard for fire safety classes R22-R23-R24-R26 for HL1 - HL2 - HL3 Hazard Levels.

StoP series are compatible with SRD series. You can mount them in same rail side by side and you can use marking strip and push-in cross connection.





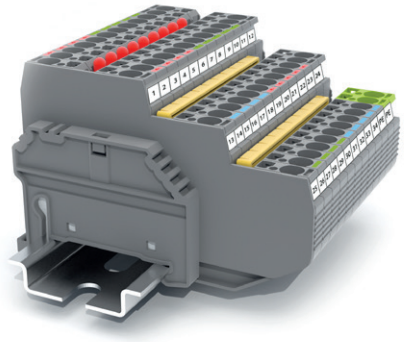
SRD Series Spring Type ‘V0’ Products

Brand new series spring clamp type terminal blocks are ready for your projects!

SRD Series are empowered terminal blocks compare with YBK series.

The thickness is 5,2 mm and the plastic bodies and rail legs are more ergonomic.

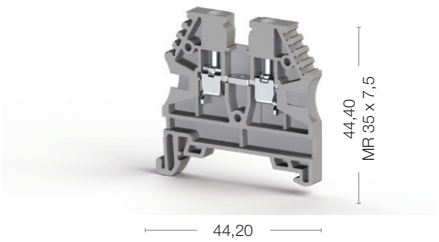
Complying with EN 45545-2 European railway standard for fire safety classes R22-R23-R24-R26 for HL1 - HL2 - HL3 Hazard Levels.



AVK Series "V0" Terminals

AVK 2,5/NM

Width: 5 mm

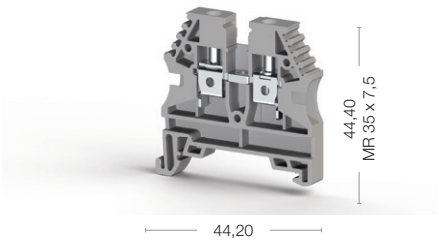


Cat No:

309 009
309 000

AVK 4/NM

Width: 6 mm



Cat No:

309 019
309 010

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
UL - CuLus	600	20	AWG 26–12	600	30	AWG 26–10
ATEX	630	20	0,5-2,5 mm²	630	27	0,5-4 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2–4 mm²	0,2–6 mm²
Conductor cross section stranded (min-max.)	0,2–4 mm²	0,2–6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24–12	AWG 24–10
Insulation Stripping Length (min.-max.)	9–10 mm	9–10 mm
Torque (min-max.)	0,4–0,6 Nm	0,5–0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/AVK 2,5-10/NM	451 069	100	NPP/AVK 2,5-10/NM	451 069	100
APP/AVK 2,5-10/NM	464 059	25	APP/AVK 2,5-10/NM	464 059	25

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	474 122	25	UK 4/2	474 132	25
UK 2,5/3	474 123	20	UK 4/3	474 133	20
UK 2,5/4	474 124	15	UK 4/4	474 134	15
UK 2,5/10	474 129	5	UK 4/10	474 139	5
UK 2,5/20	474 210	20	UK 4/20	474 180	5
			UK 4/50	474 190	5

Comb Connector



Type	Order No	Qty.	Type	Order No	Qty.
TKO 2,5/2/NM	470 332	25	TKO 4/2/NM	470 342	25
TKO 2,5/3/NM	470 333	20	TKO 4/3/NM	470 343	20
TKO 2,5/4/NM	470 334	15	TKO 4/4/NM	470 344	15
TKO 2,5/10/NM	470 339	5	TKO 4/10/NM	470 349	5

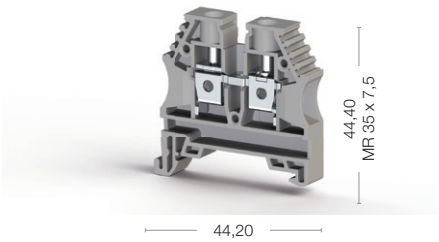
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

AVK 6/NM

Width: 8 mm



Cat No:

309 029
309 020

Voltage, V ~	Current, A	Cross-Section
630	41	6 mm²
600	50	AWG 26–8
630	36	0,5-6 mm²

0,2-10 mm²
0,2-10 mm²
0,5-4 mm²
AWG 24-8
10-12 mm
0,8-1,2 Nm
IKTD 4 (0,8x4)

Type	Order No	Qty.
NPP/AVK 2,5-10/NM	451 069	100
APP/AVK 2,5-10/NM	464 059	25

Type	Order No	Qty.
UK 6/2	474 142	25
UK 6/3	474 143	20
UK 6/4	474 144	15
UK 6/10	474 149	5

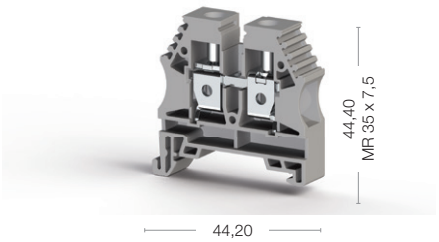
Type	Order No	Qty.
TKO 6/2/NM	470 352	25
TKO 6/3/NM	470 353	20
TKO 6/4/NM	470 357	15
TKO 6/10/NM	470 359	5

8/3
1/B5
IP 20 / -
D-NS 8x10, DG 10/8

100 pcs.

AVK 10/NM

Width: 10 mm



Cat No:

309 039
309 030

Voltage, V ~	Current, A	Cross-Section
630	57	10 mm²
600	65	AWG 16-6
630	50	1,5-10 mm²

0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
10-12 mm
1,2-1,8 Nm
IKTD 4 (0,8x4)

Type	Order No	Qty.
NPP/AVK 2,5-10/NM	451 069	100
APP/AVK 2,5-10/NM	464 059	25

Type	Order No	Qty.
UK 10/2	474 152	25
UK 10/3	474 153	20
UK 10/4	474 154	15
UK 10/10	474 159	5

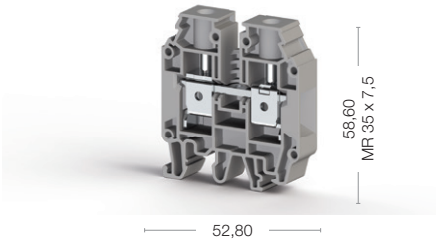
Type	Order No	Qty.
TKO 10/2/NM	470 362	25
TKO 10/3/NM	470 363	20
TKO 10/4/NM	470 364	15
TKO 10/10/NM	470 369	5

8/3
1/B6
IP 20 / -
D-NS 10x10, DG 10/10

100 pcs.

AVK 16 RD/NM

Width: 12 mm



Cat No:

309 059
309 050

Voltage, V ~	Current, A	Cross-Section
750	76	16 mm²
600	80	AWG 12-4
630	67	1,5-16 mm²

1,5-25 mm²
1,5-25 mm²
0,75-10 mm²
AWG 16-4
12-14 mm
1,2-2,0 Nm
IKTD 5 (1,0x5,5)

Type	Order No	Qty.
NPP/AVK 16 RD/NM	451 049	100
APP/AVK 16 RD/NM	464 229	25

Type	Order No	Qty.
UK 16/2	474 162	25
UK 16/3	474 163	20
UK 16/4	474 164	15
UK 16/10	474 169	5

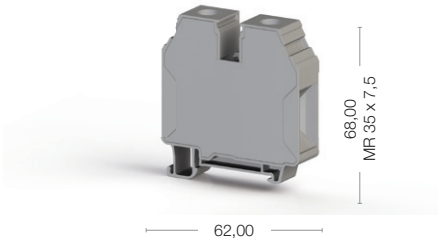
8/3
1/B7
IP 20 / -
D-NS 10x10, D-NS 12x10, DG 10x10

50 pcs.

AVK Series "V0" Terminals

AVK 35 RDS/NM

Width: 16 mm

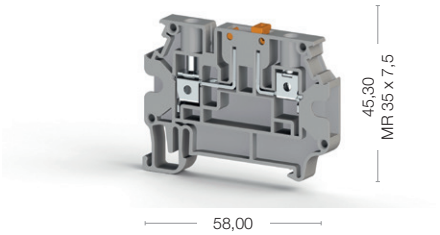


Cat No:

309 089
309 080

AVK 4 A/NM

Width: 6 mm



Cat No:

309 179
309 170

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	125	35 mm²	500	20	4 mm²
UL - CuLus	600	115	AWG 10-2	300	16	AWG 26-10
ATEX	800	111	6-50 mm²			

Connection Data		
Conductor cross section solid (min-max.)	6-50 mm²	0,2-6 mm²
Conductor cross section stranded (min-max.)	6-35 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	4-16 mm²	0,5-2,5 mm²
AWG Conductor	AWG 10-2	AWG 24-10
Insulation Stripping Length (min.-max.)	16-18 mm	9-10 mm
Torque (min-max.)	4,0-6,0 Nm	0,5-0,8 Nm
Screwdriver	IKTD 6 (1,2x6,5)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
				NPP/AVK 4 R-A/NM	451 319	25

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
 	UK 35/2 RDS	480 212	25	UK 4/2/NM	470 312	25
	UK 35/3 RDS	480 213	20	UK 4/3/NM	470 313	20
	UK 35/4 RDS	480 214	15	UK 4/4/NM	470 314	15
	UK 35/10 RDS	480 219	5	UK 4/10/NM	470 319	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B9	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, D-NS 14x10, DG 10/10	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	50 pcs.	50 pcs.

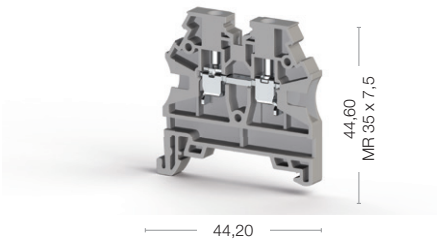
* Higher torque value compare to AVK 35 RD

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

AVK RD Series "V0" Terminals

AVK 2,5 RD/NM

Width: 5 mm

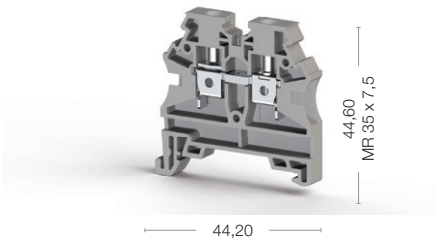


Cat No:

309 159
309 150

AVK 4 RD/NM

Width: 6 mm



Cat No:

309 169
309 160

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	750	24	2,5 mm²	750	32	4 mm²
UL - CuLus	600	20	AWG 26-12	600	30	AWG 26-10
VDE (IEC 60947-7-1)						
CSA						
ATEX	630	20	0,5-2,5 mm²	630	25	0,5-4 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-6 mm²
Conductor cross section stranded (min-max.)	0,2-4 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-12	AWG 24-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque (min-max.)	0,4-0,6 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate - Disconnect Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/AVK 2,5-10/NM	451 069	100	NPP/AVK 2,5-10/NM	451 069	100
APP/AVK 2,5-10/NM	464 059	25	APP/AVK 2,5-10/NM	464 059	25

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2/NM	470 302	25	UK 4/2/NM	470 312	25
UK 2,5/3/NM	470 303	20	UK 4/3/NM	470 313	20
UK 2,5/4/NM	470 304	15	UK 4/4/NM	470 314	15
UK 2,5/10/NM	470 309	5	UK 4/10/NM	470 319	5

Comb Connector



Type	Order No	Qty.	Type	Order No	Qty.
TKO 2,5/2/NM	470 332	25	TKO 4/2/NM	470 342	25
TKO 2,5/3/NM	470 333	20	TKO 4/3/NM	470 343	20
TKO 2,5/4/NM	470 334	15	TKO 4/4/NM	470 344	15
TKO 2,5/10/NM	470 339	5	TKO 4/10/NM	470 349	5

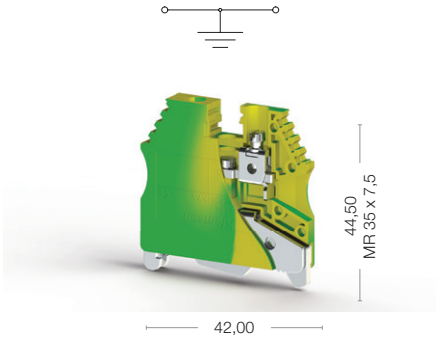
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 10/5, DG 10/5, DG 10/5T, D-NS 5x10	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

AVK T Series "V0" Earth Terminals

AVK 2,5 / 4 TK/NM

Width: 6 mm

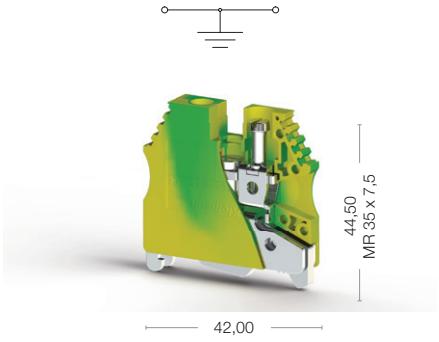


Cat No:

341 010

AVK 6 TK/NM

Width: 8 mm



Cat No:

341 020

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			2,5-4 mm²			6 mm²
UL - CuLus			AWG 26-10			AWG 26-8
ATEX			0,5-6 mm²			0,5-6 mm²

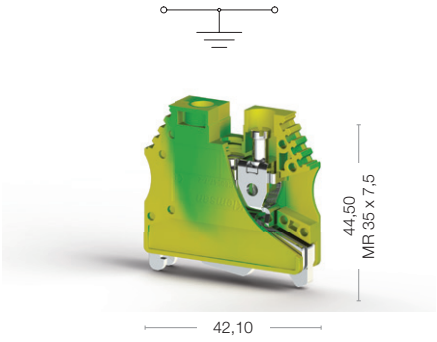
Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-10 mm²
Conductor cross section stranded (min-max.)	0,2-6 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-4 mm²
AWG Conductor	AWG 24-10	AWG 24-8
Insulation Stripping Length (min.-max.)	9-10 mm	10-12 mm
Torque (min-max.)	0,5-0,8 Nm	0,8-1,2 Nm
Rail Tightening torque, (min-max.)	0,4-0,6 Nm	0,6 -0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 4 (0,8x4)

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/B5
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T	D-NS 8x10, DG 10/8

Package Quantity		
	50 pcs.	25 pcs.

AVK 10 TK/NM

Width: 10 mm



Cat No:

341 030

Voltage, V ~	Current, A	Cross-Section
		10 mm²
		AWG 16-6
		1,5-16 mm²

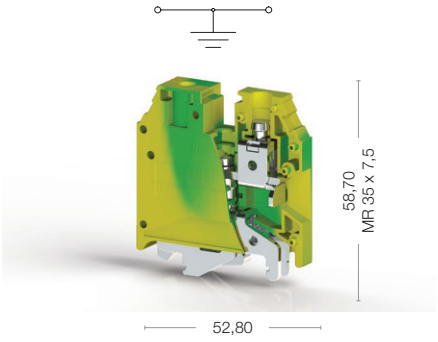
0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
10-12 mm
1,2-1,8 Nm
0,8-1,0 Nm
IKTD 4 (1,2x6,5)

8/3
1/B6
IP 20 / PE
D-NS 10x10, DG 10/10

25 pcs.

AVK 16 T RD/NM

Width: 12 mm



Cat No:

341 040

Voltage, V ~	Current, A	Cross-Section
		16 mm²
		AWG 12-4
		1,5-16 mm²

1,5-25 mm²
1,5-25 mm²
0,75-10 mm²
AWG 16-4
12-14 mm
1,2-2,0 Nm
1,0-1,2 Nm
IKTD 5 (1,2x6,5)

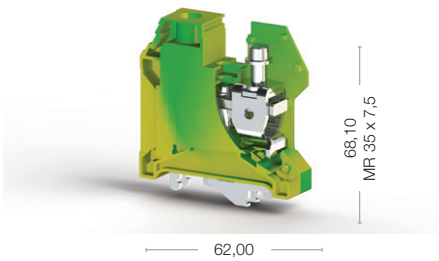
8/3
1/B7
IP 20 / PE
D-NS 10x10, D-NS 12x10, DG 10/10

50 pcs.

AVK T Series "V0" Earth Terminals

AVK 35 T RDS/NM

Width: 16 mm

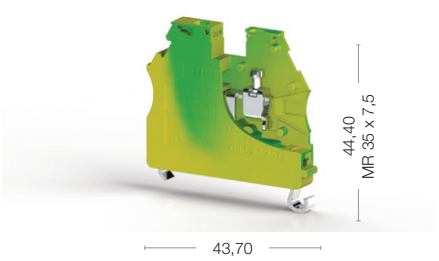


Cat No:

341 060

AVK 2,5 T RD/NM

Width: 5,75 mm



Cat No:

341 090

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-2)			35 mm²			2,5 mm²
UL - CuLus			AWG 10-2			AWG 26-12
ATEX			6-50 mm²			0,5-2,5 mm²

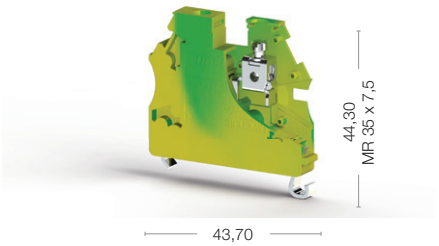
Connection Data		
Conductor cross section solid (min-max.).	6-50 mm²	0,2-4 mm²
Conductor cross section stranded (min-max.)	6-35 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	4-16 mm²	0,5-1,5 mm²
AWG Conductor	AWG 10-2	AWG 24-12
Insulation Stripping Length (min.-max.)	16-18 mm	9-10 mm
Torque (min-max.)	4,0-6,0 Nm	0,4-0,6 Nm
Rail Tightening torque, (min-max.)	1,2-1,5 Nm	
Screwdriver	IKTD 6 (1,2x6,5)	IKTD 3 (0,6x3,5)

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8
Insulation material group / Gauge pin code according to IEC 60947-1	1/B9	1/A3
Protection class / Protection conductor type	IP 20 / PE	IP 20 / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, D-NS 14x10, DG 10/10	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

Package Quantity		
	25 pcs.	50 pcs.

AVK 4 T RD/NM

Width: 6,2 mm



Cat No:

341 100

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 26-10
		0,5-4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

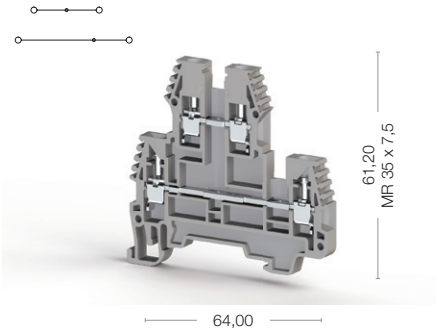
8
1/A4
IP 20 / PE
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

50 pcs.

Screw Type "V0" Double - Deck Terminals

PIK 2,5 N/NM

Width: 5 mm



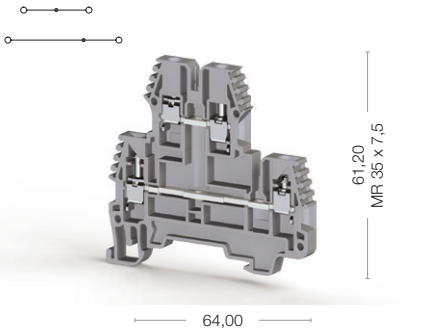
Cat No:

309 189
309 180

PIK 2,5 RD/NM

push-in cross connection

Width: 5 mm



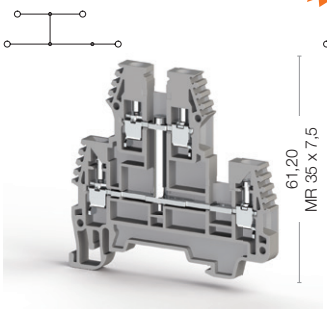
Cat No:

309 429
309 420

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 26-12	300	20	AWG 26-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	19	0,5-2,5 mm²	400	19	0,5-2,5 mm²
Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-4 mm²		
Conductor cross section stranded (min.-max.)	0,2-4 mm²			0,2-4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-1,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-12		
Insulation Stripping Length (min.-max.)	9-10 mm			9-10 mm		
Torque (min-max.)	0,4-0,6 Nm			0,4-0,6 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		
Ordering Data						
Technical Data For Diode						
Diode Voltage						
Diode Current						
Diod						
End Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/PIK 2,5-4 N/NM	451 309	25	NPP/PIK 2,5-4 N/NM	451 309	25
Small Partition	**Type**	**Order No**	**Qty.**			
	AD 1	467 919	100			
Cross Connection	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	UK 2,5/2	474 122	25	UK 2,5/2/NM	470 302	25
	UK 2,5/3	474 123	20	UK 2,5/3/NM	470 303	20
	UK 2,5/4	474 124	15	UK 2,5/4/NM	470 304	15
	UK 2,5/10	474 129	5	UK 2,5/10/NM	470 309	5
	UK 2,5/50	474 210	20			
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T			D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T		
Package Quantity						
	100 pcs.			100 pcs.		

PIK 2,5 NK/NM

Width: 5 mm



Cat No:

309 199
309 190

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 26-12

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

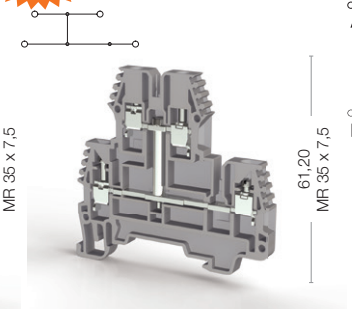
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

20 pcs.

PIK 2,5 RDK/NM

push-in cross connection

Width: 5 mm



Cat No:

309 439
309 430

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
UK 2,5/2/NM	470 302	25
UK 2,5/3/NM	470 303	20
UK 2,5/4/NM	470 304	15
UK 2,5/10/NM	470 309	5

Note: Only lower decks can be cross-connected

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

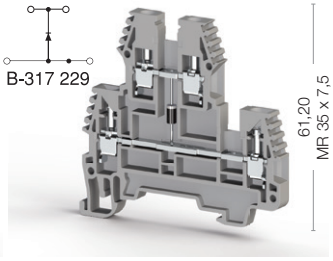
100 pcs.

PIK 2,5 ND/NM

Width: 5 mm

A-317 219

B-317 229



Cat No:

315 049
315 040

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	20	AWG 26-12

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 2,5 ND A/NM	315 049	20
PIK 2,5 ND B/NM	315 059	20

1000 V
1 A
1 N 4007

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

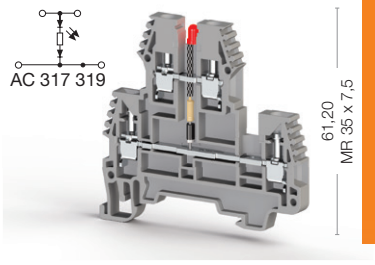
20 pcs.

PIK 2,5 NLD/NM

Width: 5 mm

DC 317 329

AC 317 319



Cat No:

309 229
309 220

Voltage, V ~	Current, A	Cross-Section
	24	2,5 mm²
	20	AWG 26-12

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 2,5 NLD/NM (24AC)	309 229	20
PIK 2,5 NLD/NM (24DC)	309 239	20
PIK 2,5 NLD/NM (48AC)	309 249	20
PIK 2,5 NLD/NM (48DC)	309 259	20
PIK 2,5 NLD/NM (110AC)	309 269	20
PIK 2,5 NLD/NM (110DC)	309 279	20
PIK 2,5 NLD/NM (220AC)	309 289	20
PIK 2,5 NLD/NM (220DC)	309 299	20

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Note: Only lower decks can be cross-connected

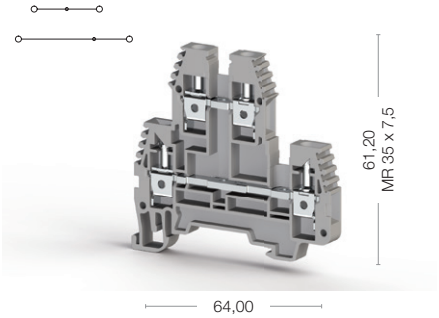
6/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

20 pcs.

Screw Type "V0" Double - Deck Terminals

PIK 4 N/NM

Width: 6 mm



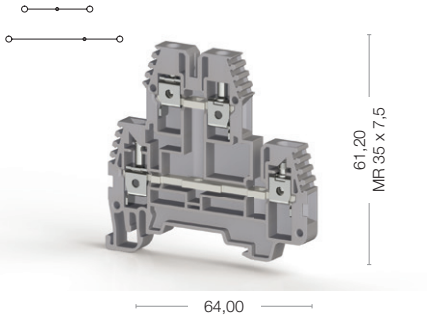
Cat No:

309 309
309 300

PIK 4 RD/NM

push-in cross connection

Width: 6 mm



Cat No:

309 449
309 440

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	32	4 mm²	500	32	4 mm²
UL	300	30	AWG 26-10	300	30	AWG 26-10
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	26	0,5-4 mm²	400	26	0,5-4 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data		

Technical Data For Diode		
Diode Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PIK 2,5-4 N/NM	451 309	25	NPP/PIK 2,5-4 N/NM	451 309	25

Small Partition	Type	Order No	Qty.			
	AD 1	467 919	100			

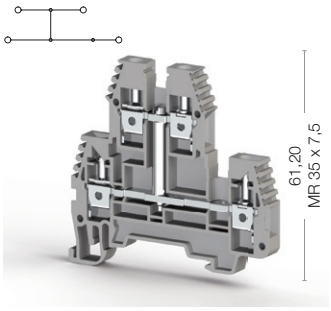
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 4/2	474 132	25	UK 4/2/NM	470 312	25
	UK 4/3	474 133	20	UK 4/3/NM	470 313	20
	UK 4/4	474 134	15	UK 4/4/NM	470 314	15
	UK 4/10	474 139	5	UK 4/10/NM	470 319	5
	UK 4/20	474 180	5			
	UK 4/50	474 190	5			

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	100 pcs.	100 pcs.

PIK 4 NK/NM

Width: 6 mm



Cat No:

309 319
309 310

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²
300	30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

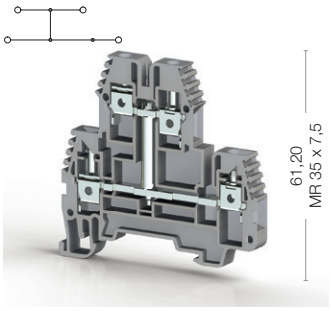
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

PIK 4 RDK/NM

push-in cross connection

Width: 6 mm



Cat No:

309 459
309 450

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
UK 4/2/NM	470 312	25
UK 4/3/NM	470 313	20
UK 4/4/NM	470 314	15
UK 4/10/NM	470 319	5

Note: Only lower decks can be cross-connected

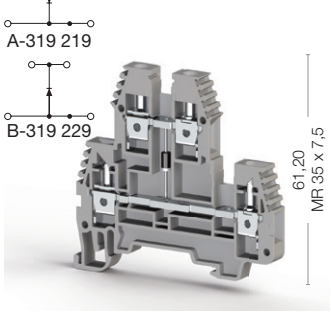
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

100 pcs.

PIK 4 ND/NM

Width: 6 mm

A-319 219
B-319 229



Cat No:

315 069
315 060

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 4 ND A/NM	315 069	20
PIK 4 ND B/NM	315 079	20

1000 V
1 A
1 N 4007

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

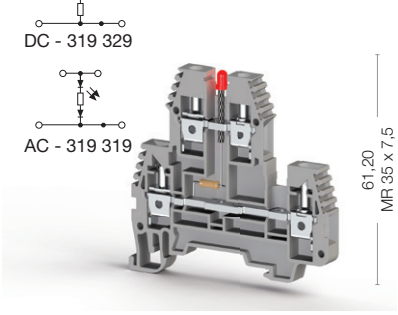
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

PIK 4 NLD/NM

Width: 6 mm

DC - 319 329
AC - 319 319



Cat No:

309 349
309 340

Voltage, V ~	Current, A	Cross-Section
	24	4 mm²
	30	AWG 26-10

0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
PIK 4 NLD/NM (24AC)	309 349	20
PIK 4 NLD/NM (24DC)	309 359	20
PIK 4 NLD/NM (48AC)	309 369	20
PIK 4 NLD/NM (48DC)	309 379	20
PIK 4 NLD/NM (110AC)	309 389	20
PIK 4 NLD/NM (110DC)	309 399	20
PIK 4 NLD/NM (220AC)	309 409	20
PIK 4 NLD/NM (220DC)	309 419	20

Type	Order No	Qty.
NPP/PIK 2,5-4 N/NM	451 309	25

Type	Order No	Qty.
AD 1	467 919	100

Type	Order No	Qty.
UK 4/2	474 132	25
UK 4/3	474 133	20
UK 4/4	474 134	15
UK 4/10	474 139	5
UK 4/20	474 180	5
UK 4/50	474 190	5

Note: Only lower decks can be cross-connected

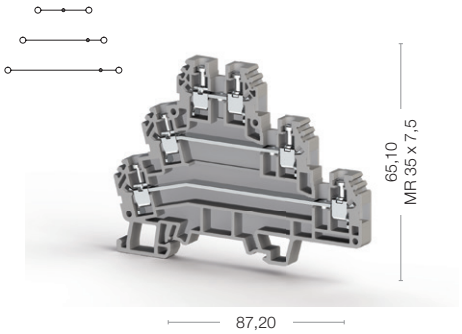
6/3
1/A4
IP 20 / -
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

20 pcs.

Screw Type "V0" Multilevel Terminals

PUK 3/NM

Width: 6 mm

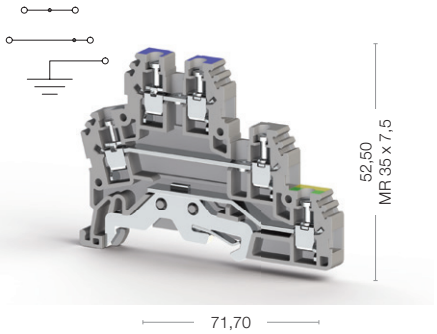


Cat No:

309 479
309 470

PUK 2 T/NM

Width: 6 mm



Cat No:

309 469
309 460

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	440	24	2,5 mm²	440	24	2,5 mm²
UL	600	24	AWG 24-12	600	24	AWG 24-12
VDE (IEC 60947-7-1)						
CSA						
ATEX	400	21	0,5-2,5 mm²	400	21	0,5-2,5 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-4 mm²
Conductor cross section stranded (min.-max.)	0,2-4 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²	0,5-1,5 mm²
AWG Conductor	AWG 24-12	AWG 24-12
Insulation Stripping Length (min.-max.)	7-8 mm	7-8 mm
Torque (min-max.)	0,4-0,6 Nm	0,4-0,6 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PUK 3/NM	451 339	10	NPP/PUK 2 T/NM	451 329	10

Cross Connection



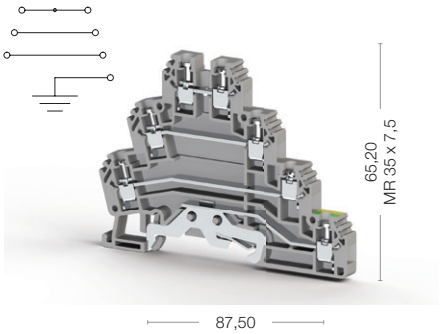
Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	480 132	25	UK 2,5/2	480 132	25
UK 2,5/3	480 133	20	UK 2,5/3	480 133	20
UK 2,5/4	480 134	15	UK 2,5/4	480 134	15
UK 2,5/10	480 139	5	UK 2,5/10	480 139	5
UK 2,5/35	480 140	5	UK 2,5/35	480 140	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / NA / PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 5	DB 5

Package Quantity		
	20 pcs.	20 pcs.

PUK 3 T/NM

Width: 6 mm



Cat No:

309 489
309 480

Voltage, V ~	Current, A	Cross-Section
440	24	2,5 mm²
600	24	AWG 24-12
400	21	0,5-2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
7-8 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PUK 3 T/NM	451 349	10

Type	Order No	Qty.
UK 2,5/2	480 132	25
UK 2,5/3	480 133	20
UK 2,5/4	480 134	15
UK 2,5/10	480 139	5
Note: Only upper decks can be cross-connected		

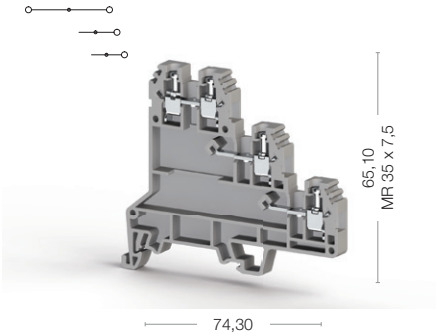
6/3
1/A3
IP 20 / NA / PE
DB 5

20 pcs.

Screw Type "V0" Sensor Terminals

PUK 3 S/NM

Width: 6 mm

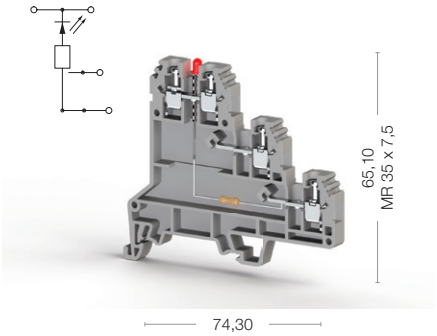


Cat No:

309 499
309 490

PUK 3 SLD (NPN)/NM

Width: 6 mm



Cat No:

309 509
309 500

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	500	24	2,5 mm²	24	24	2,5 mm²
UL	300	20	AWG 24-12	300	20	AWG 24-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2-4 mm²			0,2-4 mm²		
Conductor cross section stranded (min.-max.)	0,2-4 mm²			0,2-4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-1,5 mm²			0,5-1,5 mm²		
AWG Conductor	AWG 24-12			AWG 24-12		
Insulation Stripping Length (min.-max.)	7-8 mm			7-8 mm		
Torque (min-max.)	0,4-0,6 Nm			0,4-0,6 Nm		
Screwdriver	IKTD 3 (0,6x3,5)			IKTD 3 (0,6x3,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PUK 3 S/NM	451 359	10	NPP/PUK 3 S/NM	451 359	10

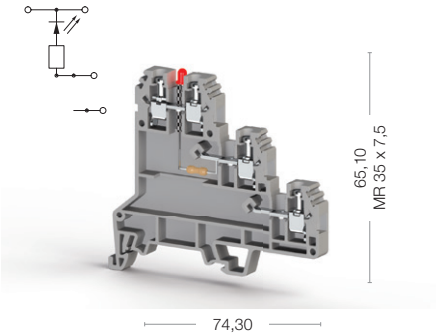
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	480 132	25	UK 2,5/2	480 132	25
	UK 2,5/3	480 133	20	UK 2,5/3	480 133	20
	UK 2,5/4	480 134	15	UK 2,5/4	480 134	15
	UK 2,5/10	480 139	5	UK 2,5/10	480 139	5
	UK 2,5/35	480 140	5	UK 2,5/35	480 140	5

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP 20 / -			IP 20 / -		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	DB 5			DB 5		

Package Quantity						
	20 pcs.			20 pcs.		

PUK 3 SLD (PNP)/NM

Width: 6 mm



Cat No:

309 519
309 510

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²
300	20	AWG 24-12

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
7-8 mm
0,4-0,6 Nm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/PUK 3 S/NM	451 359	10

Type	Order No	Qty.
UK 2,5/2	480 132	25
UK 2,5/3	480 133	20
UK 2,5/4	480 134	15
UK 2,5/10	480 139	5
UK 2,5/35	480 140	5

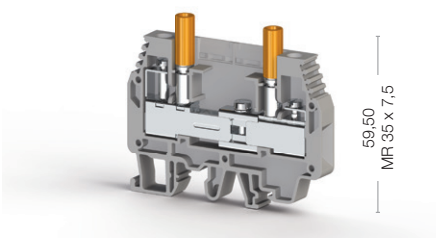
6/3
1/A3
IP 20 / PE
DB 5

20 pcs.

WGO Series "V0" Test / Disconnect Terminals

WGO 3/NM

Width: 8 mm

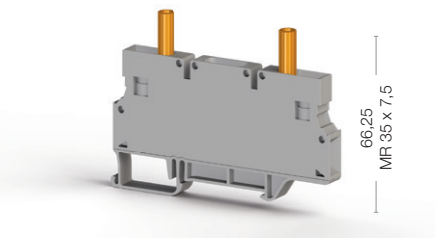


Cat No:

309 569
309 560

WGO 4/NM

Width: 8 mm



Cat No:

309 589
309 580

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	400	41	6 mm²	1000	41	6 mm²
UL	300	43	AWG 20-8	300	48	AWG 26-8
VDE (IEC 60947-7-1)						
CSA						
ATEX				400	36	0,5-10 mm²

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-4 mm²	0,5-4 mm²
AWG Conductor	AWG 24-8	AWG 24-8
Insulation Stripping Length (min.-max.)	10-12 mm	10-12 mm
Torque (min-max.)	0,8-1,2 Nm	0,8-1,0 Nm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)

Ordering Data	Type	Order No	Qty.	Type	Order No	Qty.
Without Socket - Beige / Grey	WGO 3/NM	309 529 - 520	50	WGO 4/NM	309 579 - 570	50
One Socket - Beige / Grey	WGO 3/NM	309 539 - 530	50			
Double Socket - Beige / Grey	WGO 3/NM	309 549 - 540	50			
One Test Socket - Beige / Grey	WGO 3/NM	309 559 - 550	50			
Double Test Socket - Beige / Grey	WGO 3/NM	309 569 - 560	50	WGO 4/NM	309 589 - 580	50

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/WGO 3/NM	451 369	25			

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	IZUK 6/2/NM	470 372	10	IZUK 6/2/NM	470 372	10
	IZUK 6/3/NM	470 373	10	IZUK 6/3/NM	470 373	10
	IZUK 6/4/NM	470 374	10	IZUK 6/4/NM	470 374	10
	IZUK 6/6/NM	470 376	10	IZUK 6/6/NM	470 376	10
	IZUK 6/10/NM	470 379	5	IZUK 6/10/NM	470 379	5
	WGO UAA	498 300	1			

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
 suitable for test socket types	TF (Ø4)	493 050	10	TF (Ø4)	493 050	10

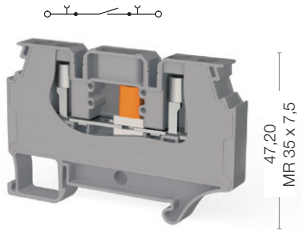
Comb Connector	Type	Order No	Qty.	Type	Order No	Qty.
	TKO 6/2/NM	470 352	25	UK 6/2/NM	470 322	25
	TKO 6/3/NM	470 353	20	UK 6/3/NM	470 323	20
	TKO 6/4/NM	470 354	15	UK 6/4/NM	470 324	15
	TKO 6/10/NM	470 359	5	UK 6/10/NM	470 329	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B5	1/B5
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm
Package Quantity		
	50 pcs.	50 pcs.

WGO 6 Series "V0" Test / Disconnect Terminals

WGO 6/NM

Width: 8 mm

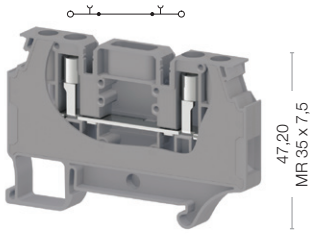


Cat No: 71,20

309 609
309 600

WGO D6/NM

Width: 8 mm



Cat No: 71,20

309 619
309 610

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	41	6 mm²	1000	41	6 mm²
UL	600	50	AWG 24-8	600	50	AWG 24-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-10 mm²	0,2-10 mm²
Conductor cross section stranded (min.-max.)	0,2-10 mm²	0,2-10 mm²
AWG Conductor	AWG 24-8	AWG 24-8
Torque	0,8-1,0 Nm	0,8-1,0 Nm
Hole Diameter	10 mm	10 mm
Bolt Diameter	B5	B5
Screwdriver	IKTD 4 (0,8x4)	IKTD 4 (0,8x4)

Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
CS 6/2	470 122	25	CS 6/2	470 122	25
CS 6/3	470 123	20	CS 6/3	470 123	20
CS 6/4	470 124	15	CS 6/4	470 124	15
CS 6/5	470 125	10	CS 6/5	470 125	10
CS 6/10	470 129	5	CS 6/10	470 129	5
SCS 6/2	470 172	25	SCS 6/2	470 172	25
SCS 6/3	470 173	20	SCS 6/3	470 173	20
SCS 6/4	470 174	15	SCS 6/4	470 174	15

Plastic Lock



	Type	Order No	Qty.			
Grey	WGO 6_PK	469 079	50			
Orange	WGO 6_PK	469 077	50			
Black	WGO 6_PK	469 075	50			

Coding Plastic



	Type	Order No	Qty.	Type	Order No	Qty.
Orange	WGO 6_KP	469 067	50	WGO 6_KP	469 067	50
Blue	WGO 6_KP	469 061	50	WGO 6_KP	469 061	50
Green	WGO 6_KP	469 062	50	WGO 6_KP	469 062	50
Yellow	WGO 6_KP	469 063	50	WGO 6_KP	469 063	50
Red	WGO 6_KP	469 064	50	WGO 6_KP	469 064	50
Black	WGO 6_KP	469 065	50	WGO 6_KP	469 065	50

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TFØ4	493 050	10	TFØ4	493 050	10

Cross Connection Holder



Type	Order No	Qty.	Type	Order No	Qty.
ATCS 6	499 559	20	ATCS 6	499 559	20

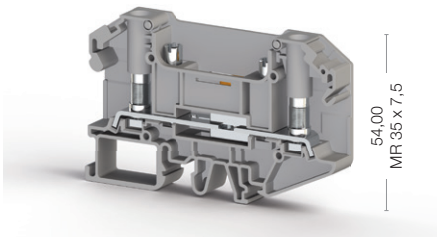
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 8x10, DG 10/8, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	50 pcs.	50 pcs.

WGO PB Series "V0" Test / Disconnect Terminals

WGO PB 6/NM

Width: 11 mm

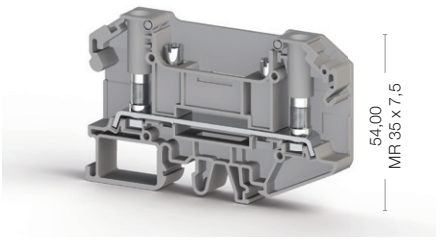


Cat No:

308 069
308 060

WGO PBD 6/NM

Width: 11 mm



Cat No:

308 079
308 070

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	1000	41	6 mm²	1000	41	6 mm²
UL	600	45	AWG 22-8	600	45	AWG 22-8
VDE (IEC 60947-7-1)						
CSA	600	45	AWG 22-8	600	45	AWG 22-8
ATEX	630	36	0,5-6 mm²			
Connection Data						
Conductor cross section solid (min-max.)	0,5-6 mm²			0,5-6 mm²		
Conductor cross section stranded (min.-max.)	0,5-6 mm²			0,5-6 mm²		
AWG Conductor	AWG 22-8			AWG 22-8		
Torque	0,8-1,2 Nm			0,8-1,2 Nm		
Hole Diameter	4,2 mm			4,2 mm		
Bolt Diameter	4 mm			4 mm		
Screwdriver	IKTD 5 (1,0x5,5)			IKTD 5 (1,0x5,5)		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/WGO PB 6	451 009	25	NPP/WGO PB 6	451 009	25
	APP/WGO PB 6	464 019	25	APP/WGO PB 6	464 019	25

Comb Connector/Ring Type	Type	Order No	Qty.	Type	Order No	Qty.
	TKO PB 6/2	479 002	25	TKO PB 6/2	479 002	25
	TKO PB 6/3	479 003	20	TKO PB 6/3	479 003	20
	TKO PB 6/4	479 004	15	TKO PB 6/4	479 004	15
	TKO PB 6/7	479 007	5	TKO PB 6/7	479 007	5
	TKO PB 6/10	479 009	5	TKO PB 6/10	479 009	5

Test Plug						

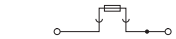
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

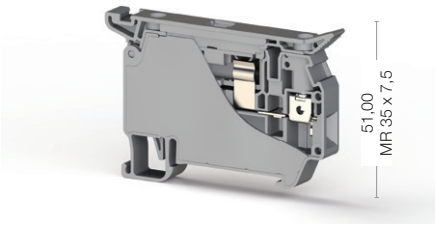
	25 pcs.	25 pcs.

Screw Type "V0" Fuse Terminals

ASK 5/NM

Width: 8 mm





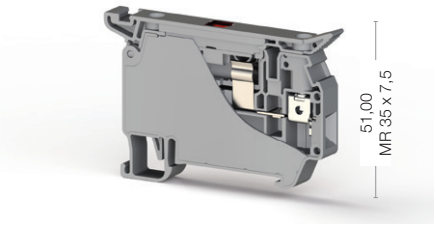
Cat No:

315 009

ASK 5 LD/NM

Width: 8 mm





Cat No:

315 019

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-3)	500	10	4 mm²		10	4 mm²
UL	300	10	AWG 26-10		10	AWG 26-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	8-9 mm	8-9 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

Ordering Data				Type	Order No	Qty.
				ASK 5 LD/NM 24V AC/DC	315 019	50
				ASK 5 LD /NM 110V AC/DC	315 029	50
				ASK 5 LD /NM 220V AC/DC	315 039	50

Push-in Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 6/2/NM	470 322	25	UK 6/2/NM	470 322	25
	UK 6/3/NM	470 323	20	UK 6/3/NM	470 323	20
	UK 6/4/NM	470 324	15	UK 6/4/NM	470 324	15
	UK 6/10/NM	470 329	5	UK 6/10/NM	470 329	5

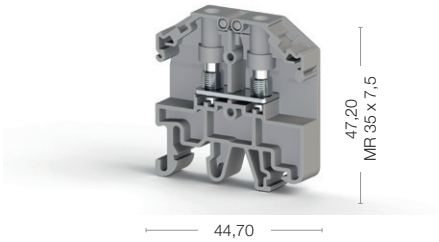
Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Fuse / Fuse Type	G/5x20-5x25	G/5x20-5x25
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8	D-NS 8x10, DG 10/8

Package Quantity		
	50 pcs.	50 pcs.

PB Series "V0" Feed Through and Earth Terminals

PB 2,5/NM

Width: 9 mm

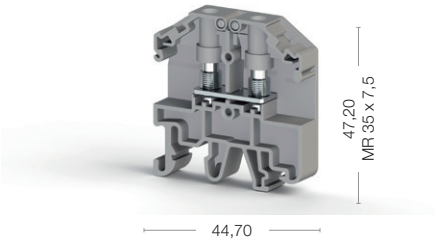


Cat No:

308 029

PB 2,5K/NM

Width: 9 mm



Cat No:

308 039

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)	800	24	2,5 mm²	800	24	2,5 mm²
UL	600	20/15	AWG 26-14	600	20/15	AWG 26-14
VDE (IEC 60947-7-1)						
CSA	600	20/15	AWG 26-14	600	20/15	AWG 26-14
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,1-2,5 mm²	0,1-2,5 mm²
Conductor cross section stranded (min.-max.)	0,1-2,5 mm²	0,1-2,5 mm²
AWG Conductor	AWG 26-14	AWG 26-14
Torque (min-max.)	0,6-0,8 Nm	0,6-0,8 Nm
Hole Diameter	3,2 mm	3,2 mm
Bolt Diameter	3,0 mm	3,0 mm
Screwdriver	IKTD 4 (0,8x4,0)	IKTD 4 (0,8x4,0)
Rail Tightening torque, min-max.		

End Plate - Disconnect Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PB 2,5/NM	451 029	25	NPP/PB 2,5/NM	451 029	25
	APP/PB 2,5-6/NM	464 009	25	APP/PB 2,5-6/NM	464 009	25

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	TKO PB 2,5/2	479 012	25	TKO PB 2,5/2	479 012	25
	TKO PB 2,5/3	479 013	20	TKO PB 2,5/3	479 013	20
	TKO PB 2,5/4	479 014	15	TKO PB 2,5/4	479 014	15
	TKO PB 2,5/7	479 017	5	TKO PB 2,5/7	479 017	5
	TKO PB 2,5/10	479 019	5	TKO PB 2,5/10	479 019	5

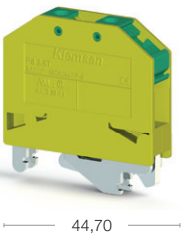
Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
				TF (Ø2,3)	493 023	5

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA	1/NA
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T	D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

Package Quantity		
	45 pcs.	45 pcs.

PB 2,5T/NM

Width: 10 mm



Cat No:

337 010

Voltage, V ~	Current, A	Cross-Section
		AWG 26-14
		AWG 26-14

0,1-2,5 mm²
0,1-2,5 mm²
AWG 26-14
0,6-0,8 Nm
3,2 mm
3,0 mm
IKTD 5 (1,0x5,5)
0,4-0,6 Nm

Type	Order No	Qty.

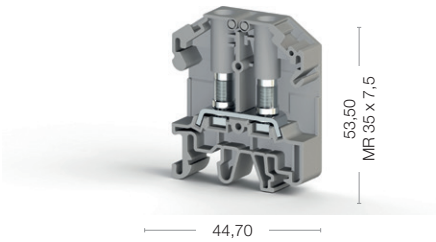
Type	Order No	Qty.

8/3
1/NA
IP 20 / PE
D-NS 6x10, DB 10/6, DG 10/6, DG 10/6T

45 pcs.

PB 6/NM

Width: 11 mm



Cat No:

308 009

Voltage, V ~	Current, A	Cross-Section
800	41	6 mm²
600	45	AWG 22-8
600	45	AWG 22-8

0,5-6mm²
0,5-6 mm²
AWG 22-8
0,8-1,2 Nm
4,2 mm
4,0 mm
IKTD 5 (1,0x5,5)

Type	Order No	Qty.
NPP / PB 6/NM	451 019	25
APP / PB 2,5-6/NM	464 009	25

Type	Order No	Qty.
TKO- PB 6/2	479 002	25
TKO- PB 6/3	479 003	20
TKO- PB 6/4	479 004	15
TKO- PB 6/7	479 007	5
TKO- PB 6/10	479 009	5

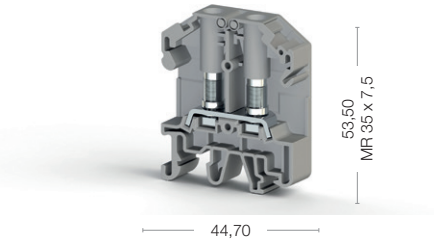
Type	Order No	Qty.

8/3
1/NA
IP 20 / -
D-NS 8x10, DG 10/8

40 pcs.

PB 6K/NM

Width: 11 mm



Cat No:

308 019

Voltage, V ~	Current, A	Cross-Section
800	41	6 mm²
600	45	AWG 22-8
600	45	AWG 22-8

0,5-6mm²
0,5-6 mm²
AWG 22-8
0,8-1,2 Nm
4,2 mm
4,0 mm
IKTD 5 (1,0x5,5)

Type	Order No	Qty.
NPP / PB 6/NM	451 019	25
APP / PB 2,5-6/NM	464 009	25

Type	Order No	Qty.
TKO- PB 6/2	479 002	25
TKO- PB 6/3	479 003	20
TKO- PB 6/4	479 004	15
TKO- PB 6/7	479 007	5
TKO- PB 6/10	479 009	5

Type	Order No	Qty.
TF (Ø4)	493 050	10

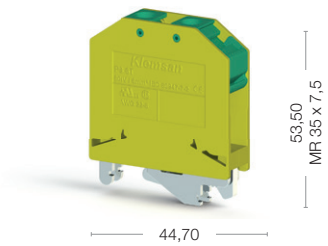
8/3
1/NA
IP 20 / -
D-NS 8x10, DG 10/8

40 pcs.

PB Series "V0" Feed Through and Earth Terminals

PB 6 T/NM

Width: 12 mm

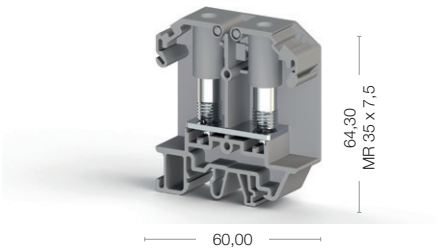


Cat No:

337 000

PB 25/NM (M5)

Width: 18 mm



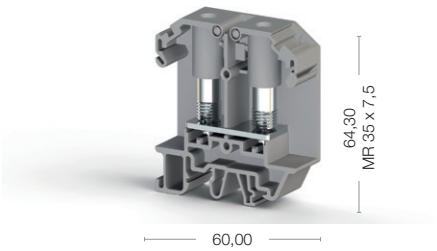
Cat No:

308 049

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 / EN 60947-7-2)			6 mm²	800	101	25 mm²
UL			AWG 22-8	600	115/85	AWG 26-4
VDE (IEC 60947-7-1)						
CSA			AWG 22-8	600	115/85	AWG 26-4
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,5-6 mm²			1,5-25 mm²		
Conductor cross section stranded (min.-max.)	0,5-6 mm²			1,5-25 mm²		
AWG Conductor	AWG 22-8			AWG 26-4		
Torque (min-max.)	0,8-1,2 Nm			3-3,5 Nm		
Hole Diameter	4 mm			5,2 mm		
Bolt Diameter	4,0 mm			5,0 mm		
Screwdriver	IKTD 5 (1,0x5,5)			IKTD 5 (1,0x5,5)		
Rail Tightening torque, min-max.	0,6-08 Nm					
End Plate - Disconnect Plate				**Type**	**Order No**	**Qty.**
				NPP PB 25/NM	451 039	25
				APP PB 25/NM	464 019	25
Cross Connection				**Type**	**Order No**	**Qty.**
				TKO PB 25/2	479 022	25
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/NA			1/NA		
Protection class / Protection conductor type	IP 20 / PE			IP 20 / PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 8x10, DG 10/8			D-NS 10x10, DG 10/10, D-NS 12x10		
Package Quantity						
	40 pcs.			10 pcs.		

PB 25/NM (M6)

Width: 18 mm



Cat No:

308 059

Voltage, V ~	Current, A	Cross-Section
800	101	25 mm²
600	115/85	AWG 26-4
600	115/85	AWG 26-4

1,5-25 mm²
1,5-25 mm²
AWG 16-4
3,2-3,7 Nm
6,2 mm
6,0 mm
IKTD 5 (1,0x5,5)

Type	Order No	Qty.
NPP PB 25/NM	451 039	25
APP PB 25/NM	464 019	25

Type	Order No	Qty.
TKO PB 25/2	479 022	25

8/3
1/NA
IP 20 / PE
D-NS 10x10, DG 10/10, D-NS 12x10

10 pcs.

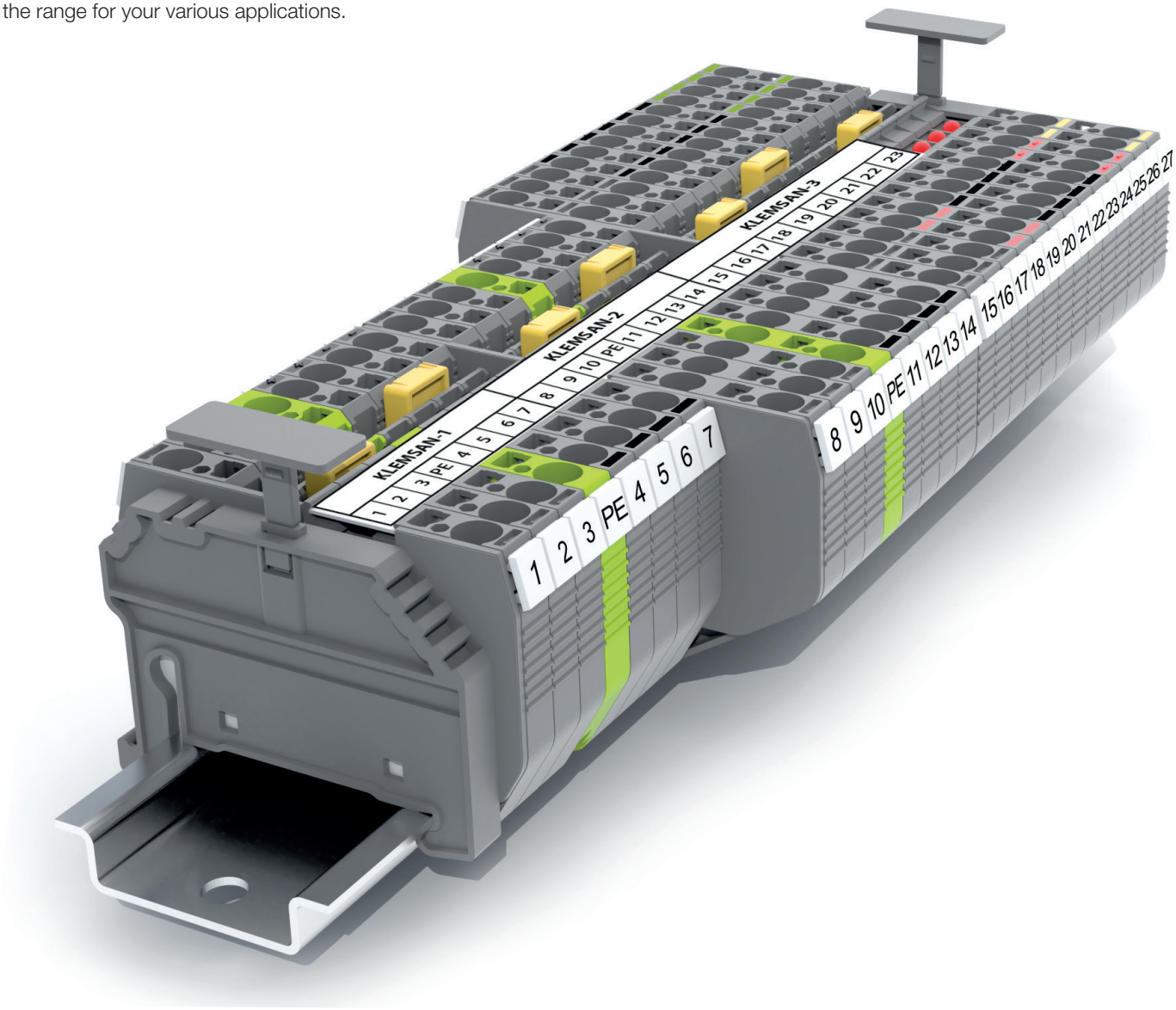
SRD Series Terminals

Complying with EN 45545-2 European railway standard for fire safety classes R22-R23-R24-R26 for HL1 - HL2 - HL3

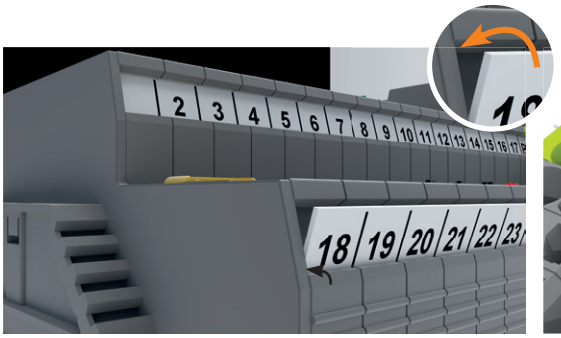
This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

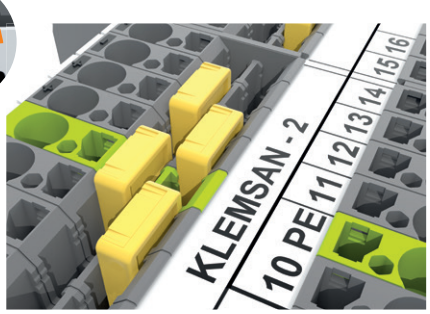
Thanks to new ergonomical design and used push-in cross connections, SRD Series have quicker and easier rail mounting advantages compared with YBK series.

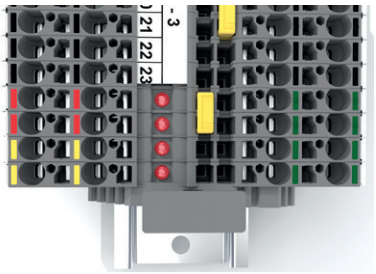
You can select special types SRD Series terminals (such as Led, Diods… etc) from the range for your various applications.



SRD Series can be marked with marking strips, printed with thermal transfer printers. Single floor terminals can be marked with 11.2 mm strip labels, and double floor terminals can be marked with 4.9 mm strip labels.





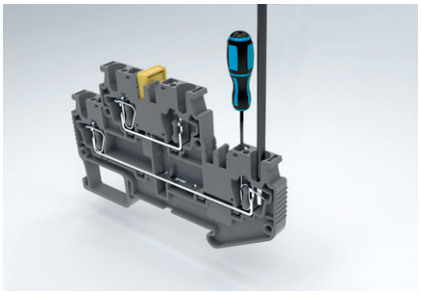


(Green +) and (Red -) : ..V/DC and Diode Version

(Blue) : Neutral Connections

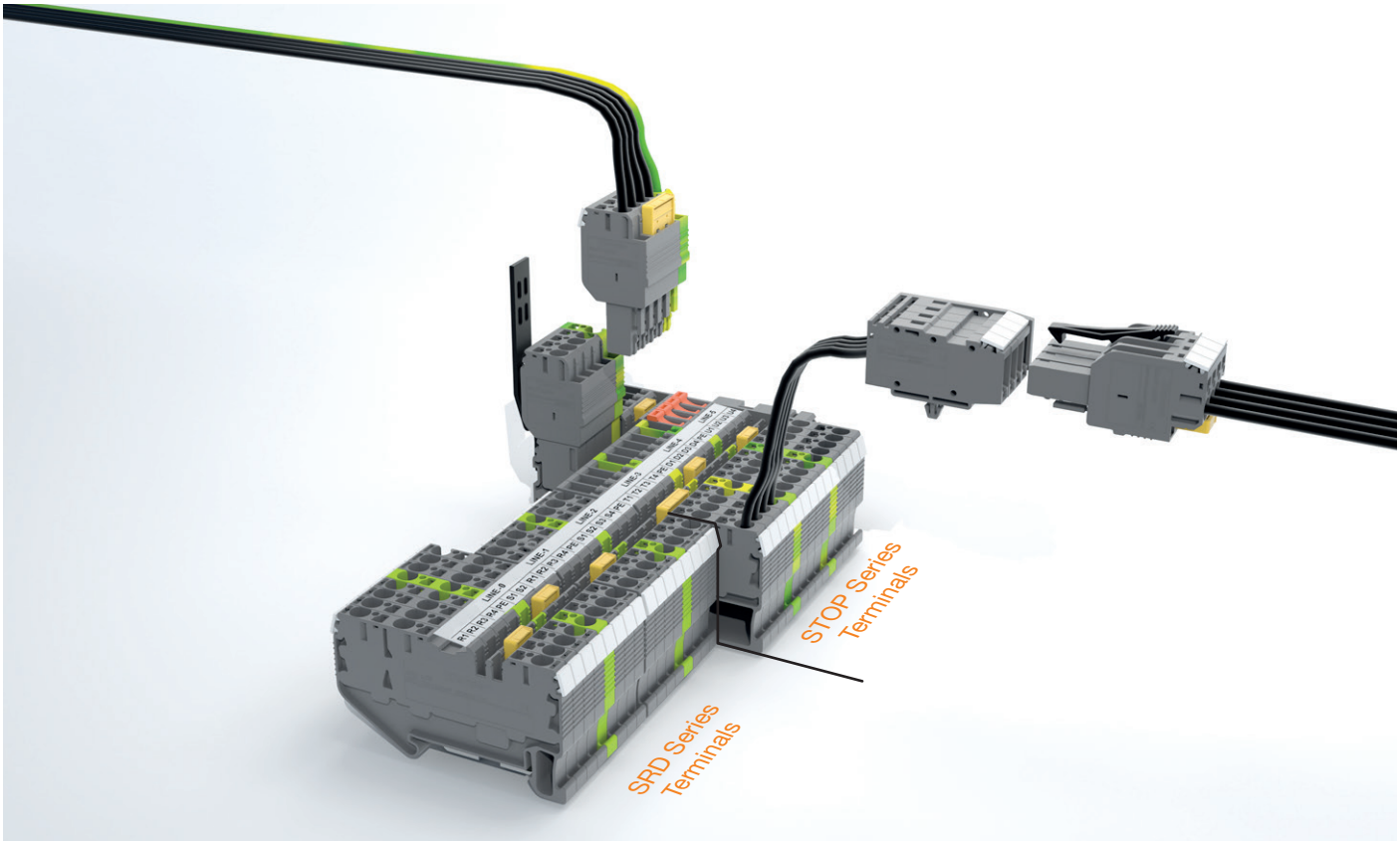
(Black) : Combined Connections

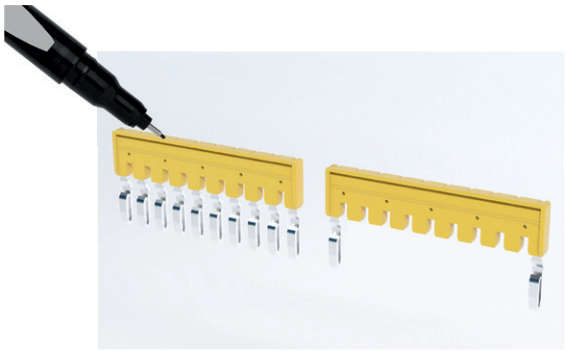
(Yellow) : Combined Connections

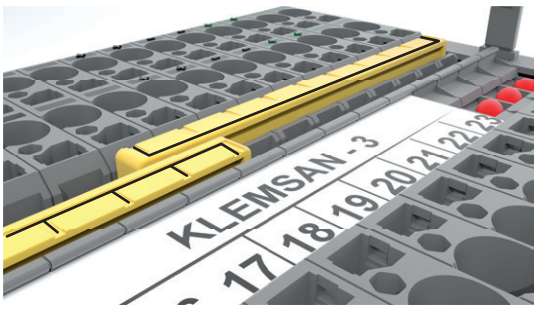


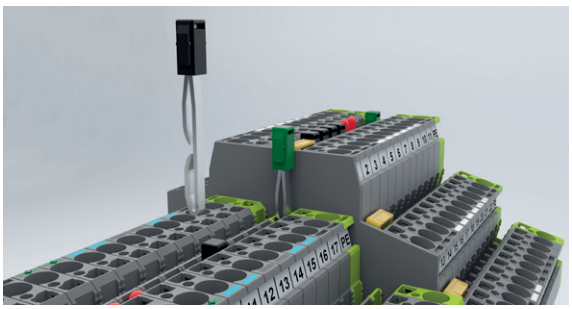
Wire Assembly for Terminals:

Wires can be assembled quickly and easily by openning the spring cage with suitable screwdriver









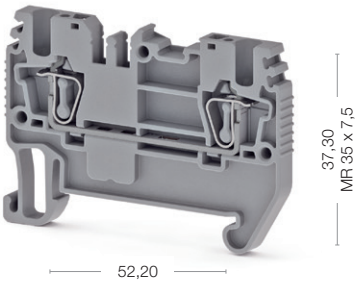
Cross Connection:

Thanks to dual cross connection ability, user can make continous cross connections. Same cross connections can be used together with STOP series even on same DIN Rail Project. You can use permanent markers to indicate poles on cross-connectors.

SRD 1,5

SRD 1,5

Width: 4,2 mm

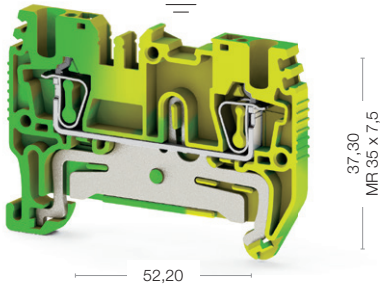


Cat No:

311 009
311 000

SRD 1,5 T

Width: 4,2 mm



Cat No:

337 080

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	17,5	0,08 - 1,5 mm²			0,08 - 1,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 1,5 mm²			0,08 - 1,5 mm²		
Conductor cross section stranded (min.-max.)	0,08 - 1,5 mm²			0,08 - 1,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-16			28-16		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5	451 059	50	NPP/SRD 2,5	451 052T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5	464 029	50	APP/SRD 2,5	464 029	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

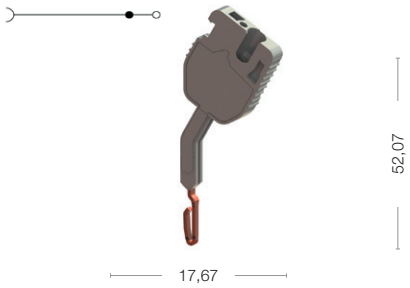
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 1,5/2	470 002	25			
	CS 1,5/3	470 003	20			
	CS 1,5/4	470 004	15			
	CS 1,5/5	470 005	10			
	CS 1,5/10	470 009	5			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

TST 1,5

Width: 4,2 mm



Cat No:

499 659

Voltage, V ~	Current, A	Cross-Section
500	10	1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

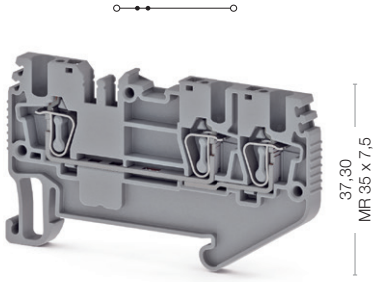
Type	Order No	Qty.

1/A1
IP 20 / -
D-NS 4,2x6

50

SRD 1,5 E

Width: 4,2 mm



Cat No:

311 019
311 010

Voltage, V ~	Current, A	Cross-Section
800	17,5	0,08 - 1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5 E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5 E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

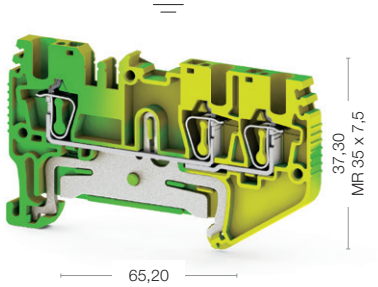
Type	Order No	Qty.
CS 1,5/2	470 002	25
CS 1,5/3	470 003	20
CS 1,5/4	470 004	15
CS 1,5/5	470 005	10
CS 1,5/10	470 009	5

8/3
1/A3
IP20/NA
D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 1,5 ET

Width: 4,2 mm



Cat No:

337 090

Voltage, V ~	Current, A	Cross-Section
		0,08 - 1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5 E	451 152T	50

Type	Order No	Qty.
APP/SRD 2,5 E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

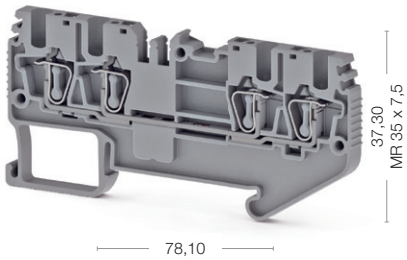
8/3
1/A3
IP20/PE
D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 1,5

SRD 1,5 C

Width: 4,2 mm

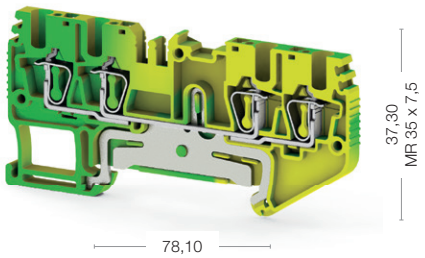


Cat No:

311 029
311 020

SRD 1,5 CT

Width: 4,2 mm



Cat No:

337 100

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	17,5	0,08 - 1,5 mm²			0,08 - 1,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 1,5 mm²			0,08 - 1,5 mm²		
Conductor cross section stranded (min.-max.)	0,08 - 1,5 mm²			0,08 - 1,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-16			28-16		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5 C	451 189	50	NPP/SRD 2,5 C	451 182T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5 C	464 119	50	APP/SRD 2,5	464 119	50

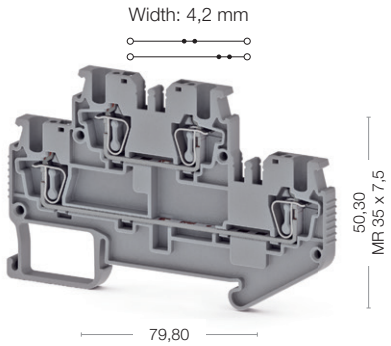
Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 1,5/2	470 002	25			
	CS 1,5/3	470 003	20			
	CS 1,5/4	470 004	15			
	CS 1,5/5	470 005	10			
	CS 1,5/10	470 009	5			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 4,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

SRD 1,5 2F



Cat No:

311 049 311 041
311 040

Voltage, V ~	Current, A	Cross-Section
500	17,5	0,08 - 1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5_2F	451 079	50

Type	Order No	Qty.
APP / SRD 2.5_2F	464 069	50

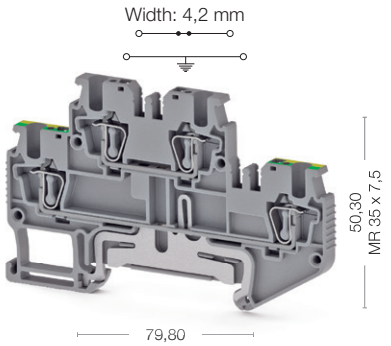
Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 1,5/2	470 002	25
CS 1,5/3	470 003	20
CS 1,5/4	470 004	15
CS 1,5/5	470 005	10
CS 1,5/10	470 009	5

8/3
1/A3
IP20/NA
D-NS 4,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 1,5 FT



Cat No:

311 039
311 030

Voltage, V ~	Current, A	Cross-Section
500	17,5	0,08 - 1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5_2F	451 079	50

Type	Order No	Qty.
APP / SRD 2.5_2F	464 069	50

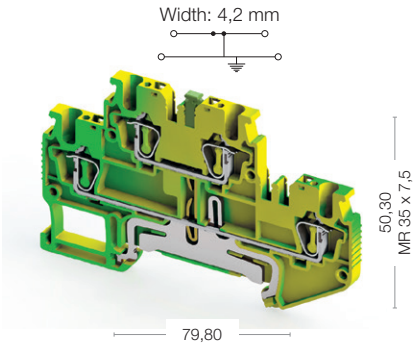
Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 1,5/2	470 002	25
CS 1,5/3	470 003	20
CS 1,5/4	470 004	15
CS 1,5/5	470 005	10
CS 1,5/10	470 009	5

8/3
1/A3
IP20/NA/PE
D-NS 4,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 1,5 2T



Cat No:

337 110

Voltage, V ~	Current, A	Cross-Section
		0,08 - 1,5 mm²

0,08 - 1,5 mm²
0,08 - 1,5 mm²
0,5 mm²
28-16
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5_2F	451 079	50

Type	Order No	Qty.
APP / SRD 2.5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 1,5/2	470 002	25
CS 1,5/3	470 003	20
CS 1,5/4	470 004	15
CS 1,5/5	470 005	10
CS 1,5/10	470 009	5

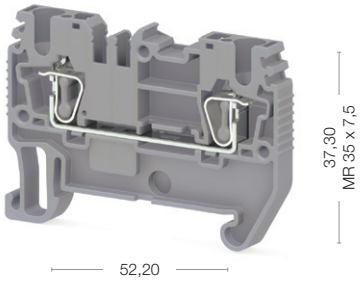
8/3
1/A3
IP20/PE
D-NS 4,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5

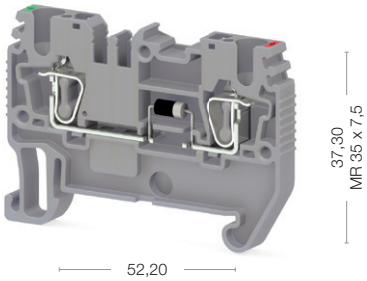
SRD 2,5

Width: 5,2 mm



SRD 2,5 D-A

Width: 5,2 mm



Cat No:

311 059
311 050

Cat No:

311 069
311 060

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²	800	1	2,5 mm²
UL	600	20	AWG 28-12	600	1	AWG 28-12
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage				1000V		
Diode Current				1 A		
Diod				1 N 4007		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5	451 059	50	NPP/SRD 2,5	451 059	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5	464 029	50	APP/SRD 2,5	464 029	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

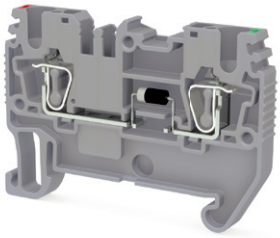
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 2,5 D-B

Width: 5,2 mm



Cat No:

311 079
311 070

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm ²
600	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5	451 059	50

Type	Order No	Qty.
APP/SRD 2,5	464 029	50

Type	Order No	Qty.
TF Ø2	493 020	5

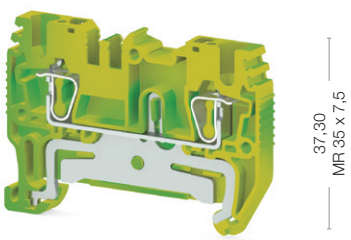
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 T

Width: 5,2 mm



Cat No:

337 120

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5	451 052T	50

Type	Order No	Qty.
APP/SRD 2,5	464 029	50

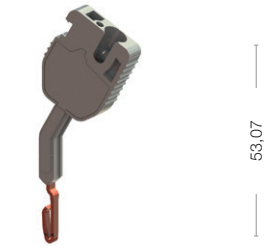
Type	Order No	Qty.
TF Ø2	493 020	5

8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

TST 2,5

Width: 5,2 mm



Cat No:

499 759

Voltage, V ~	Current, A	Cross-Section
500	15	2,5 mm ²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

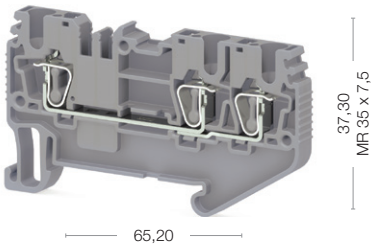
8/3
1/A3
IP20/-
D-NS 5,2x6

50

SRD 2,5 E

SRD 2,5 E

Width: 5,2 mm

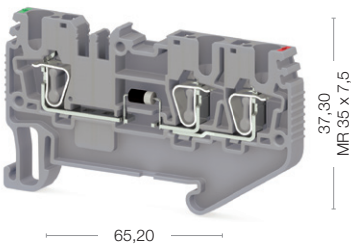


Cat No:

311 089
311 080

SRD 2,5 ED-A

Width: 5,2 mm



Cat No:

311 099
311 090

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²
UL	600	20	AWG 28-12
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
	800	1	2,5 mm²
	600	1	AWG 28-12
	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate



Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Partition Plate



Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Test Plug



Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
TF Ø2	493 020	5

Cross Connection



Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity		
	50	50

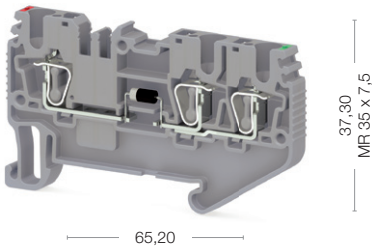
Color

Color code is the last digit of the order number

Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 2,5 ED-B

Width: 5,2 mm



Cat No:

311 109
311 100

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm²
600	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

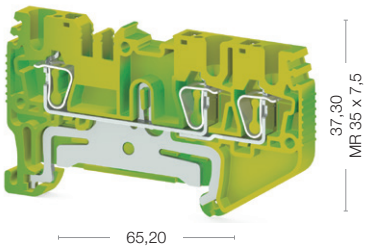
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 ET

Width: 5,2 mm



Cat No:

337 130

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5E	451 152T	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

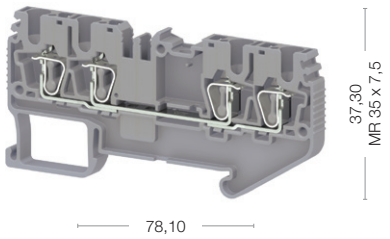
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 C

SRD 2,5 C

Width: 5,2 mm

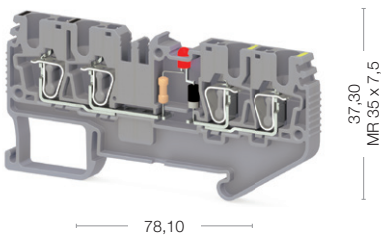


Cat No:

311 119
311 110

SRD 2,5 CLD-24VAC

Width: 5,2 mm



Cat No:

311 169
311 160

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²	24	24	2,5 mm²
UL	600	20	AWG 28-12	24V (AC)	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage				1000V		
Diode Current				1 A		
Diod				1 N 4007		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5C	451 189	50	NPP/SRD 2,5C	451 189	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5C	464 119	50	APP/SRD 2,5C	464 119	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

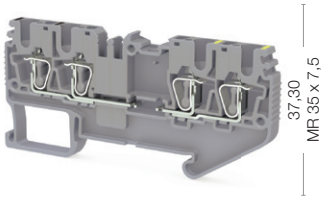
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 2,5 Cx2

Width: 5,2 mm



Cat No:

311 149
311 140

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

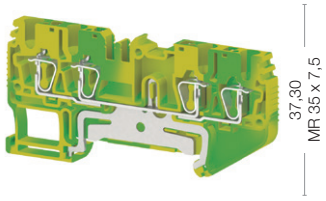
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm
50

SRD 2,5 CLD-..... Ordering Data		
24VDC	Gray	311 159
	Beige	311 150
48VAC	Gray	311 189
	Beige	311 180

SRD 2,5 CT

Width: 5,2 mm



Cat No:

337 140

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5C	451 182T	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

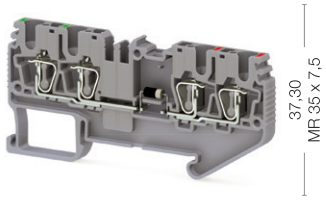
Type	Order No	Qty.
TF Ø2	493 020	5

8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm
50

SRD 2,5 CLD-..... Ordering Data		
48VDC	Gray	311 179
	Beige	311 170
110VAC	Gray	311 209
	Beige	311 200

SRD 2,5 CD-A

Width: 5,2 mm



Cat No:

311 129
311 120

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²
600	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

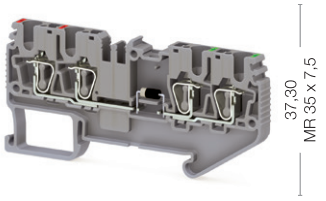
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm
50

SRD 2,5 CLD-..... Ordering Data		
110VDC	Gray	311 199
	Beige	311 190
220VAC	Gray	311 229
	Beige	311 220

SRD 2,5 CD-B

Width: 5,2 mm



Cat No:

311 139
311 130

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²
600	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

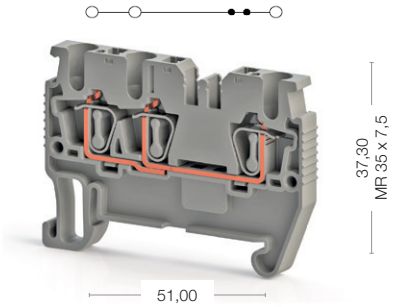
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm
50

SRD 2,5 CLD-..... Ordering Data		
220VDC	Gray	311 219
	Beige	311 210

SRD 2,5 M

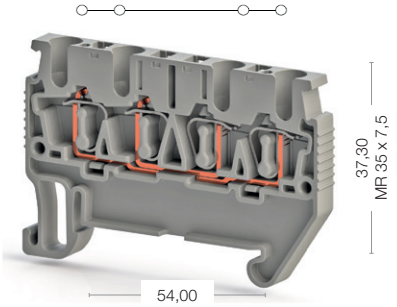
SRD 2,5 ME

Width: 5,2 mm



SRD 2,5 MC

Width: 5,2 mm



Cat No:

312 329
312 320

Cat No:

312 339
312 330

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / SRD 2.5ME	451 399	50	NPP / SRD 2.5MC	451 409	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
						

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
				TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25			
	CS 2,5/3	470 103	20			
	CS 2,5/4	470 104	15			
	CS 2,5/5	470 105	10			
	CS 2,5/10	470 109	5			
	CS 2,5/20	470 170	10			

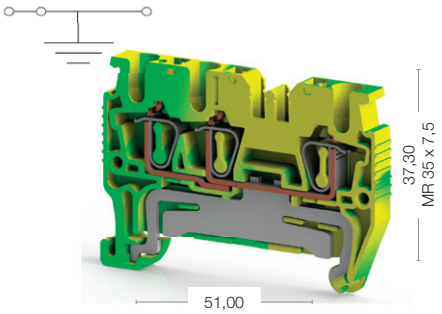
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 2,5 MET

Width: 5,2 mm



Cat No:

337 260

Voltage, V ~	Current, A	Cross-Section

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5ME	451 399	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

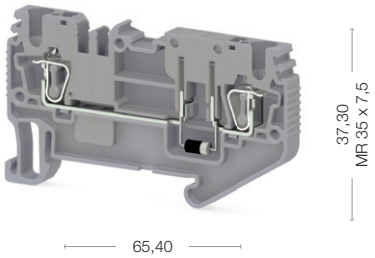
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5 A

SRD 2,5 AD-A

Width: 5,2 mm

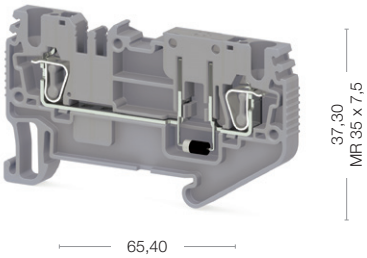


Cat No:

311 249
311 240

SRD 2,5 AD-B

Width: 5,2 mm



Cat No:

311 259
311 250

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	1	2,5 mm²
UL	300	1	AWG 28-12
VDE (IEC 60947-7-1)	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²
AWG Conductor	28-12
Insulation Stripping Length (min.-max.)	8-10
Screwdriver	KT1 (0,4x2,5)

Technical Data For Diode	
Diode Reverse Voltage	1000V
Diode Current	1 A
Diod	1 N 4007

End Plate	Type	Order No	Qty.
	NPP/SRD 2,5E	451 159	50

Partition Plate	Type	Order No	Qty.
	APP/SRD 2,5E	464 079	50

Test Plug	Type	Order No	Qty.
	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.
	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10

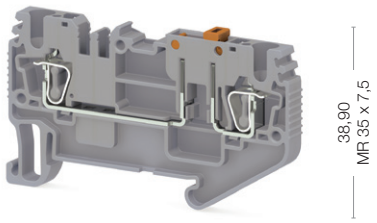
Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3
Protection class / Protection conductor type	IP20/NA
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

Package Quantity
50

Color	
Color code is the last digit of the order number	
Blue	Orange
1	7

SRD 2,5 A

Width: 5,2 mm



Cat No:

311 239
311 230

Voltage, V ~	Current, A	Cross-Section
500	20	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

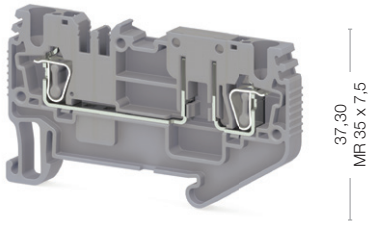
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 AK

Width: 5,2 mm



Cat No:

311 269
311 260

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

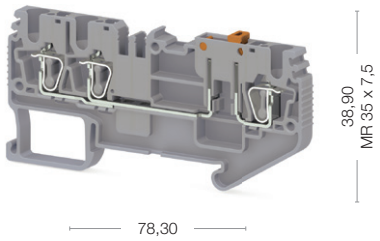
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 EA

SRD 2,5 EA

Width: 5,2 mm

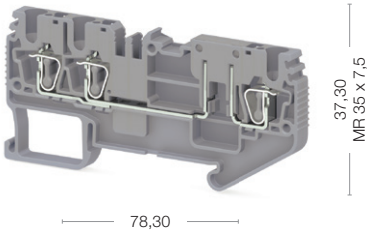


Cat No:

311 279
311 270

SRD 2,5 EAK

Width: 5,2 mm



Cat No:

311 309
311 300

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	20	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5C	451 189	50	NPP/SRD 2,5C	451 189	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5C	464 119	50	APP/SRD 2,5C	464 119	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

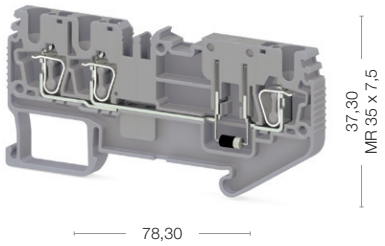
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

Color	
Color code is the last digit of the order number	
Blue	Orange
1	7

SRD 2,5 EAD-A

Width: 5,2 mm



Cat No:

311 289
311 280

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

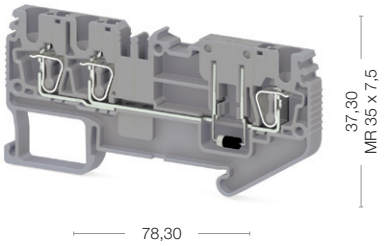
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 EAD-B

Width: 5,2 mm



Cat No:

311 299
311 290

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

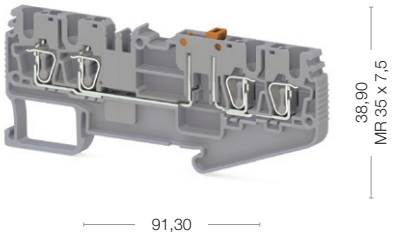
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 CA

SRD 2,5 CA

Width: 5,2 mm

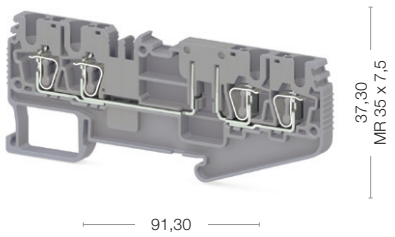


Cat No:

311 319
311 310

SRD 2,5 CAK

Width: 5,2 mm



Cat No:

311 349
311 340

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	20	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5CA	451 169	50	NPP/SRD 2,5CA	451 169	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5CA	464 089	50	APP/SRD 2,5CA	464 089	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

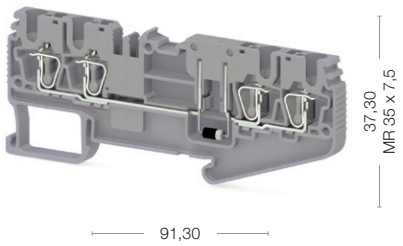
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm			D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm		

Package Quantity						
	50			50		

Color	
Color code is the last digit of the order number	
Blue	Orange
1	7

SRD 2,5 CAD-A

Width: 5,2 mm



Cat No:

311 329
311 320

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5CA	451 169	50

Type	Order No	Qty.
APP/SRD 2,5CA	464 089	50

Type	Order No	Qty.
TF Ø2	493 020	5

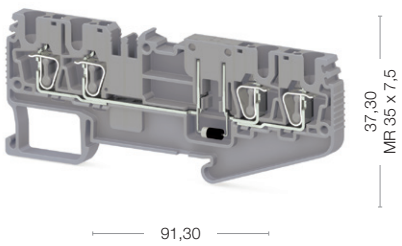
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5 CAD-B

Width: 5,2 mm



Cat No:

311 339
311 330

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5CA	451 169	50

Type	Order No	Qty.
APP/SRD 2,5CA	464 089	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

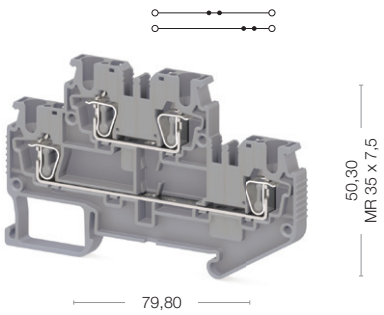
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W, KCSLF-W 11,2x100mm

50

SRD 2,5-2F

SRD 2,5-2F

Width: 5,2 mm

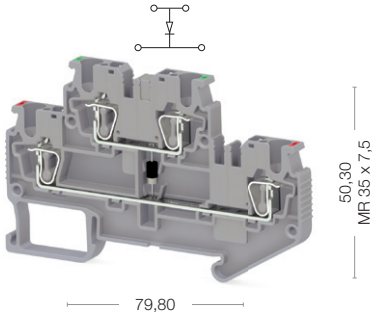


Cat No:

311 359 311 351
311 350

SRD 2,5-2FD-A

Width: 5,2 mm



Cat No:

311 369
311 360

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	1	2,5 mm²
UL	300	20	AWG 28-12	300	1	AWG 28-12
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

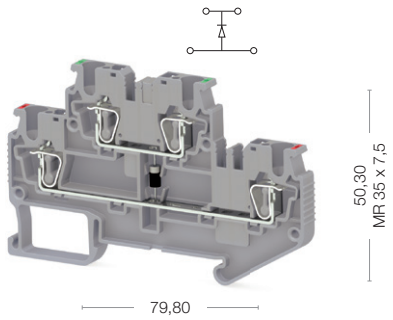
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W	D-NS 5,2x6, SLF-P2 W

Package Quantity		
	50	50

SRD 2,5-2FD-B

Width: 5,2 mm



Cat No:

311 379
311 370

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

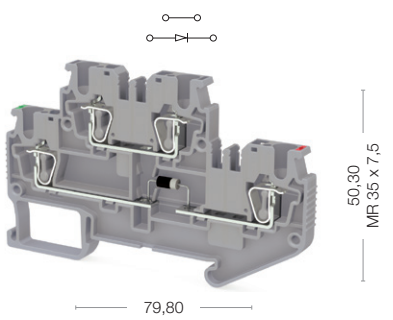
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W

50

SRD 2,5-2FD-L

Width: 5,2 mm



Cat No:

311 499
311 490

Voltage, V ~	Current, A	Cross-Section
500	24/1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

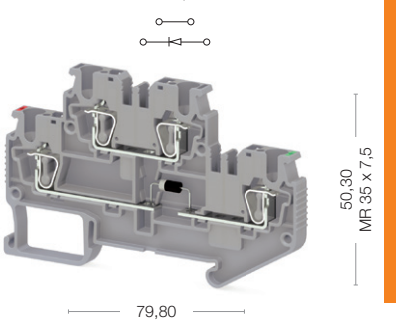
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-2FD-R

Width: 5,2 mm



Cat No:

311 389
311 380

Voltage, V ~	Current, A	Cross-Section
500	24/1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

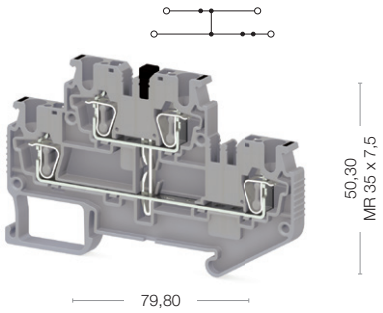
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-2F

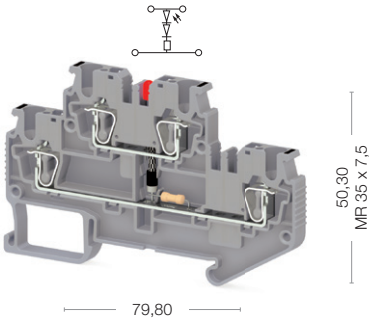
SRD 2,5-2FK

Width: 5,2 mm



SRD 2,5-2FLD-24VAC

Width: 5,2 mm



Cat No:

311 519
311 510

Cat No:

311 409
311 400

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	24	24	2,5 mm²
UL	300	20	AWG 28-12	24V (AC)	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

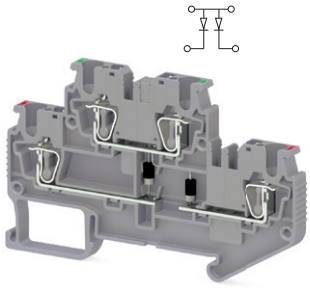
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

SRD 2,5-2FLD-..... Ordering Data											
24VDC	Gray	311 399	48VAC	Gray	311 429	48VDC	Gray	311 419	110VAC	Gray	311 449
	Beige	311 390		Beige	311 420		Beige	311 410		Beige	311 440

SRD 2,5-F2D-A

Width: 5,2 mm



Cat No:

311 479
311 470

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

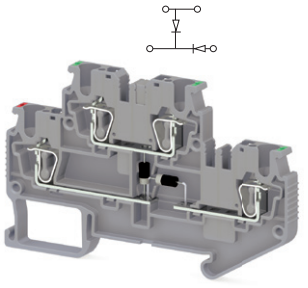
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-F2D-B

Width: 5,2 mm



Cat No:

311 489
311 480

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

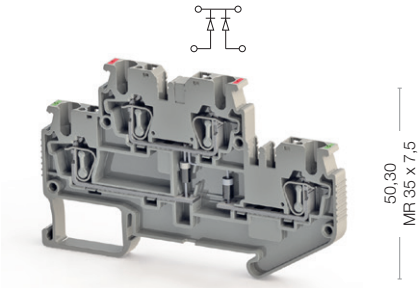
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-F2D-C

Width: 5,2 mm



Cat No:

312 249
312 240

Voltage, V ~	Current, A	Cross-Section
300	1	AWG 28-12
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W

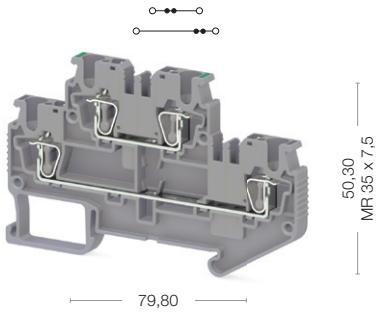
50

SRD 2,5-2FLD-..... Ordering Data								
110VDC	Gray	311 439	220VAC	Gray	311 469	220VDC	Gray	311 459
	Beige	311 430		Beige	311 460		Beige	311 450

SRD 2,5-2F
SRD 2,5-FT

SRD 2,5-FN

Width: 5,2 mm

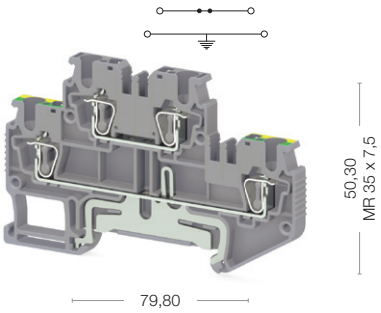


Cat No:

311 509
311 500

SRD 2,5-FT

Width: 5,2 mm



Cat No:

311 529
311 520

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

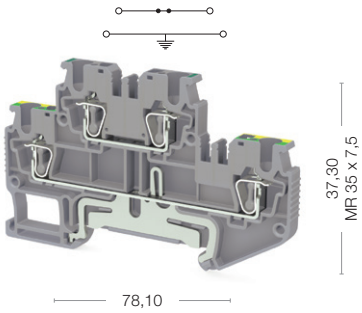
Cross Connection				Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

SRD 2,5-NT

Width: 5,2 mm



Cat No:

311 539
311 530

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
	451 079	50

Type	Order No	Qty.
	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

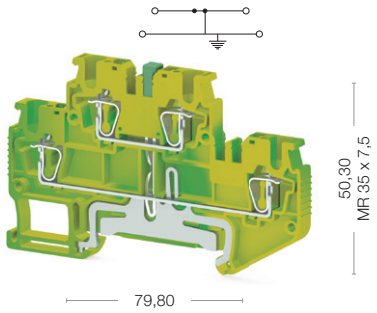
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-2T

Width: 5,2 mm



Cat No:

337 150

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5-2F	451 072T	50

Type	Order No	Qty.
	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/5	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

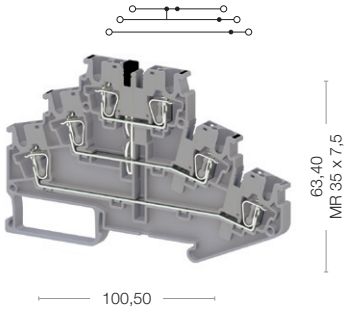
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-3F

SRD 2,5-2KF

Width: 5,2 mm

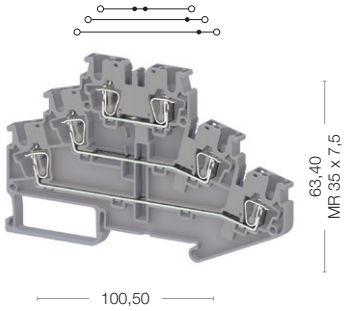


Cat No:

311 569
311 560

SRD 2,5-3F

Width: 5,2 mm



Cat No:

311 549
311 541
311 540

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 2.5_3F	451 109	50	NPP/SRD 2,5_3F	451 109	50

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



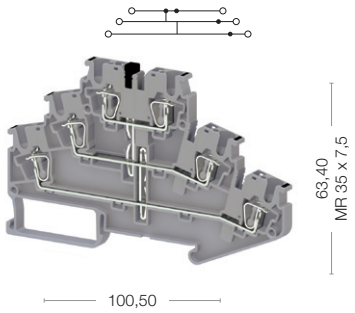
Type	Order No	Qty.	Type	Order No	Qty.
CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

SRD 2,5-3FK

Width: 5,2 mm



Cat No:

311 559
311 550

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

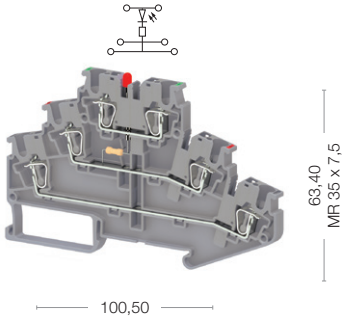
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-3FLD-24VDC

Width: 5,2 mm



Cat No:

311 579
311 570

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²
24V (DC)	20A	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

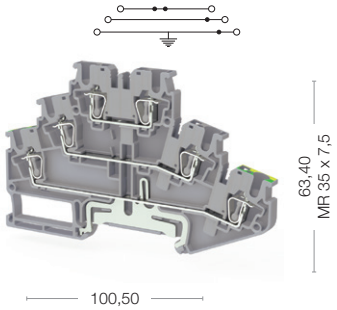
50

SRD 2,5 CLD-..... Ordering Data		
48VDC	Gray	311 589
	Beige	311 580
110VDC	Gray	311 599
	Beige	311 590
200VDC	Gray	311 609
	Beige	311 600

SRD 2,5-2FT

SRD 2,5-2FT

Width: 5,2 mm

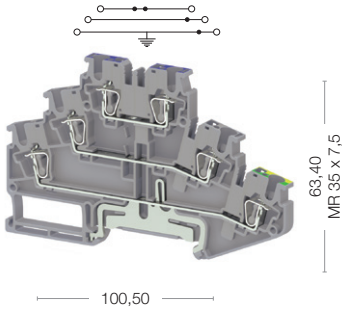


Cat No:

311 619
311 610

SRD 2,5-NFT

Width: 5,2 mm



Cat No:

311 669
311 660

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50	NPP/SRD 2,5_3F	451 109	50

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



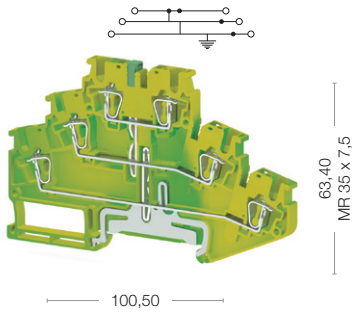
Type	Order No	Qty.	Type	Order No	Qty.
CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA/PE	IP20/NA/PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

SRD 2,5-3T

Width: 5,2 mm



Cat No:

337 160

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 102T	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

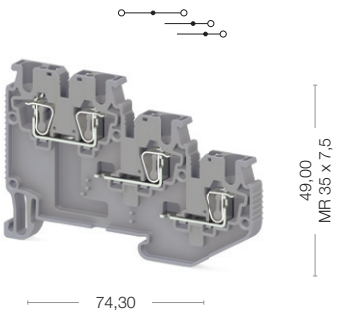
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-3S

SRD 2,5-3S

Width: 5,2 mm

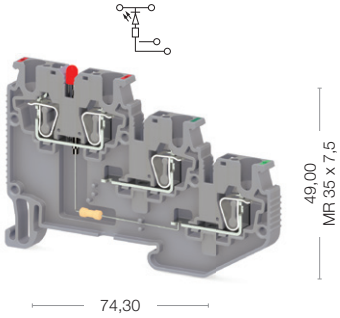


Cat No:

311 629
311 620

SRD 2,5-3SLD-NPN

Width: 5,2 mm



Cat No:

311 639
311 630

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	250	24	2,5 mm²	24	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5-3S	451 179	50	NPP/SRD 2,5-3S	451 179	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

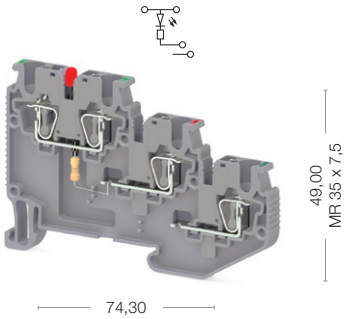
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

SRD 2,5-3SLD-PNP

Width: 5,2 mm



Cat No:

311 649
311 640

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5-3S	451 179	50

Type	Order No	Qty.
TF Ø2	493 020	5

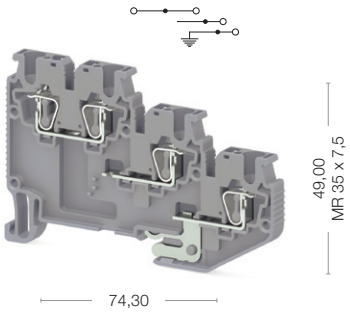
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 2,5-2ST

Width: 5,2 mm



Cat No:

311 659
311 650

Voltage, V ~	Current, A	Cross-Section
250	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5-3S	451 179	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

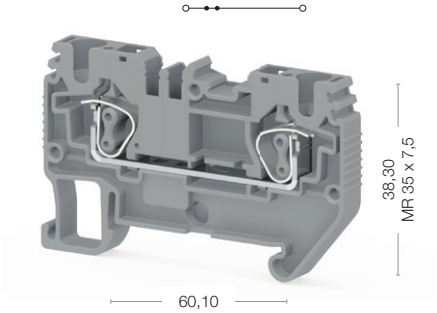
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4

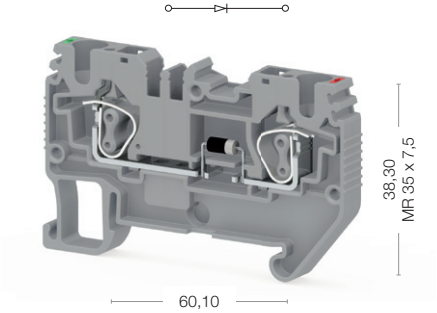
SRD 4

Width: 6,2 mm



SRD 4 D-A

Width: 6,2 mm



Cat No:

311 679
311 670

Cat No:

311 689
311 680

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	32	4 mm²	800	1	4 mm²
UL	600	30	AWG 28-10	300	1	AWG 28-10
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4	451 239	50	NPP/SRD 4	451 239	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4	464 149	50	APP/SRD 4	464 149	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10

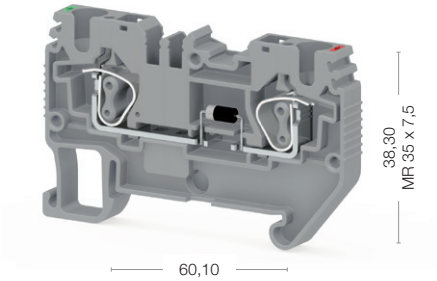
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W	D-NS 6,2x6, SLF-P1 W

Package Quantity		
	50	50

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 4 D-B

Width: 6,2 mm



Cat No:

311 699
311 690

Voltage, V ~	Current, A	Cross-Section
800	1	4 mm²
300	1	AWG 28-10
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4	451 239	50

Type	Order No	Qty.
APP/SRD 4	464 149	50

Type	Order No	Qty.
TF Ø2	493 020	5

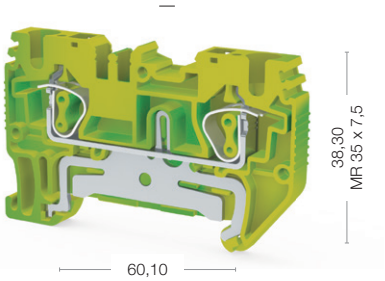
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 T

Width: 6,2 mm



Cat No:

337 170

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4	451 232T	50

Type	Order No	Qty.
APP/SRD 4	464 149	50

Type	Order No	Qty.
TF Ø2	493 020	5

8/3
1/A3
IP20/PE
D-NS 6,2x6, SLF-P1 W

50

TST 4

Width: 6,2 mm



Cat No:

499 859

Voltage, V ~	Current, A	Cross-Section
500	20	4 mm ²

0,08 - 6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

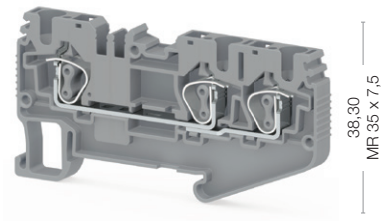
1/A4
IP 20 / -
D-NS 6,2x6

50

SRD 4 E

SRD 4 E

Width: 6,2 mm

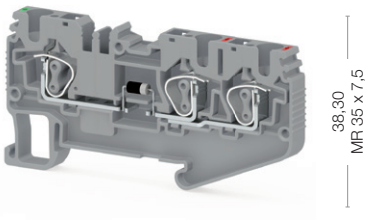


Cat No:

311 709
311 700

SRD 4 ED-A

Width: 6,2 mm



Cat No:

311 719
311 710

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	32	4 mm²	800	1	4 mm²
UL	600	30	AWG 28-10	300	1	AWG 28-10
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4 E	451 199	50	NPP/SRD 4E	451 199	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4E	464 129	50	APP/SRD 4E	464 129	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10

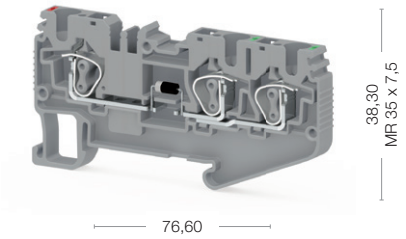
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W	D-NS 6,2x6, SLF-P1 W

Package Quantity	
	50

Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7

SRD 4 ED-B

Width: 6,2 mm



Cat No:

311 729
311 720

Voltage, V ~	Current, A	Cross-Section
800	1	4 mm²
300	1	AWG 28-10
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4E	451 199	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

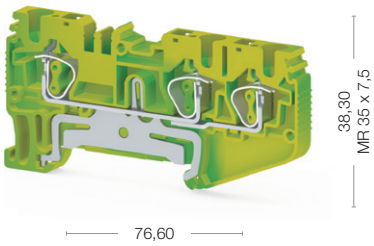
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 ET

Width: 6,2 mm



Cat No:

337 180

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4E	451 192T	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

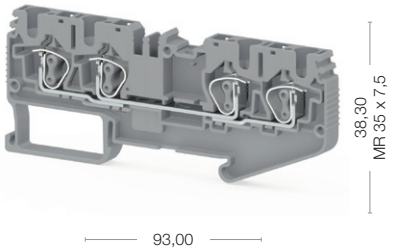
8/3
1/A3
IP20/PE
D-NS 6,2x6, SLF-P1 W

50

SRD 4 C

SRD 4 C

Width: 6,2 mm

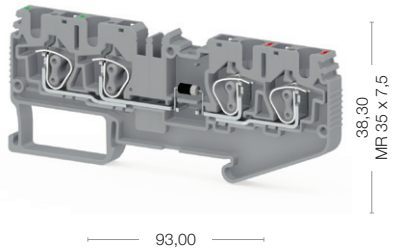


Cat No:

311 739
311 730

SRD 4 CD-A

Width: 6,2 mm



Cat No:

311 749
311 740

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	32	4 mm²	800	1	4 mm²
UL	600	30	AWG 28-10	600	1	AWG 28-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4C	451 209	50	NPP/SRD 4C	451 209	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4C	464 139	50	APP/SRD 4C	464 139	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

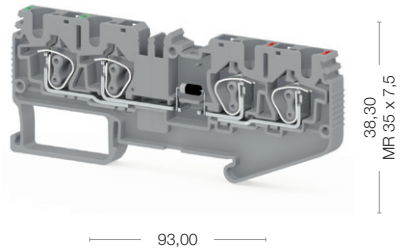
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W	D-NS 6,2x6, SLF-P1 W

Package Quantity	
	50

SRD 4 CD-B

Width: 6,2 mm



Cat No:

311 759
311 750

Voltage, V ~	Current, A	Cross-Section
800	1	4 mm²
600	1	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4C	451 209	50

Type	Order No	Qty.
APP/SRD 4C	464 139	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

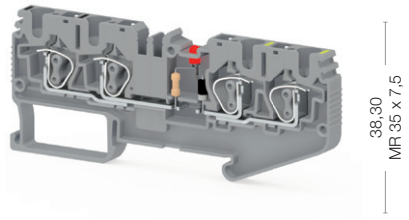
8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 CLD

SRD 4 CLD-24VAC

Width: 6,2 mm



Cat No:

311 789
311 780

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	24	32	4 mm²
UL	24V (AC)	20mA	AWG 28-10
VDE (IEC 60947-7-1)			
CSA			
ATEX			

Connection Data	
Conductor cross section solid (min-max.)	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²
AWG Conductor	28-10
Insulation Stripping Length (min.-max.)	8-10
Screwdriver	KT3 (0,6x3,5)

Technical Data For Diode	
Diode Reverse Voltage	
Diode Current	
Diod	

End Plate



Type	Order No	Qty.
NPP/SRD 4C	451 209	50

Partition Plate



Type	Order No	Qty.
APP/SRD 4C	464 139	50

Test Plug



Type	Order No	Qty.
TF Ø2	493 020	5

Cross Connection



Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

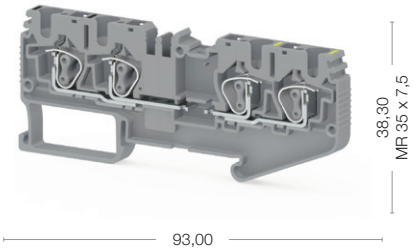
Technical Data	
Rated Impulse Voltage / Pollution severity	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3
Protection class / Protection conductor type	IP20/NA
Marking Tags (Dekafix)	
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W

Package Quantity
50

SRD 4 CLD-..... Ordering Data		
24VDC	Gray	311 779
	Beige	311 770
48VAC	Gray	311 809
	Beige	311 800
48VDC	Gray	311 799
	Beige	311 790
110VAC	Gray	311 829
	Beige	311 820
110VDC	Gray	311 819
	Beige	311 810
220VAC	Gray	311 849
	Beige	311 840
220VDC	Gray	311 839
	Beige	311 830

SRD 4 Cx2

Width: 6,2 mm



Cat No:

311 769
311 760

Voltage, V ~	Current, A	Cross-Section
400	32	4 mm²
300	30/1	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4C	451 209	50

Type	Order No	Qty.
APP/SRD 4C	464 139	50

Type	Order No	Qty.
TF Ø2	493 020	5

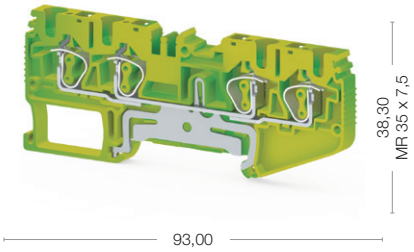
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 CT

Width: 6,2 mm



Cat No:

337 190

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 24C	451 202T	50

Type	Order No	Qty.
APP/SRD 4C	464 139	50

Type	Order No	Qty.
TF Ø2	493 020	5

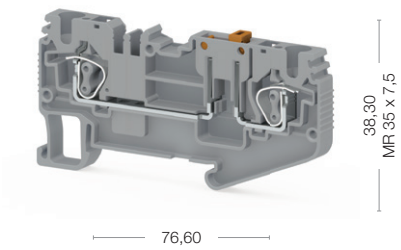
8/3
1/A3
IP20/PE
D-NS 6,2x6, SLF-P1 W

50

SRD 4 A

SRD 4 A

Width: 6,2 mm

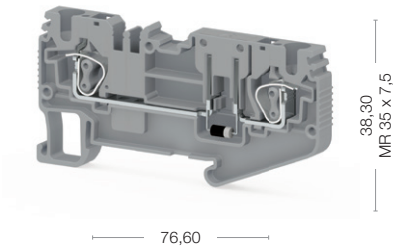


Cat No:

311 869
311 860

SRD 4 AD-A

Width: 6,2 mm



Cat No:

311 879
311 870

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	20	4 mm²	500	1	4 mm²
UL	300	20	AWG 28-10	300	1	AWG 28-10
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		1000V
Diode Current		1 A
Diod		1 N 4007

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4E	451 199	50	NPP/SRD 4E	451 199	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4E	464 129	50	APP/SRD 4E	464 129	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

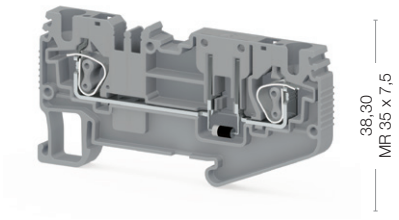
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W	D-NS 6,2x6, SLF-P1 W

Package Quantity		
	50	50

SRD 4 AD-B

Width: 6,2 mm



Cat No:

311 889
311 880

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	1	AWG 28-10
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4E	451 199	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

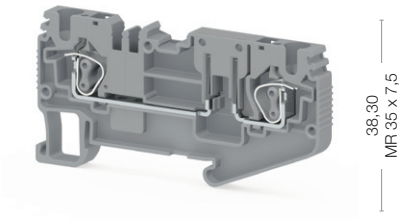
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 AK

Width: 6,2 mm



Cat No:

311 899
311 890

Voltage, V ~	Current, A	Cross-Section
500	20	4 mm²
300	20	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4E	451 199	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

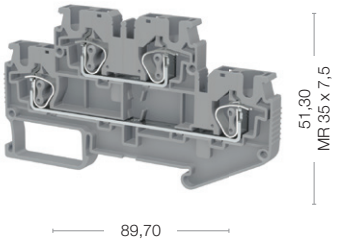
8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4-2F

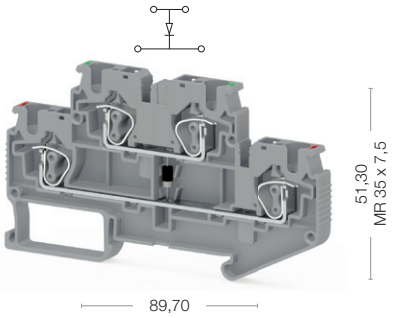
SRD 4-2F

Width: 6,2 mm



SRD 4-2FD-A

Width: 6,2 mm



Cat No:

311 909
311 901
311 900

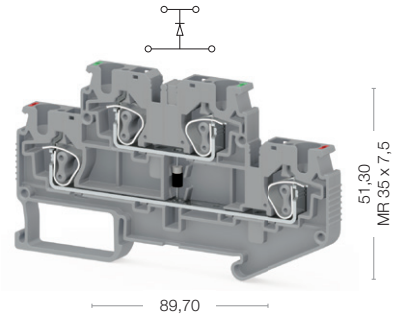
Cat No:

311 919
311 910

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	32	4 mm²	500	1	4 mm²
UL	300	30	AWG 28-10	300	1	AWG 28-10
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,08 -6 mm²			0,08 -6 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²			0,14 - 4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²			1 mm²		
AWG Conductor	28-10			28-10		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT3 (0,6x3,5)			KT3 (0,6x3,5)		
Technical Data For Diode						
Diode Reverse Voltage				1000V		
Diode Current				1 A		
Diod				1 N 4007		
End Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/SRD 4_2F	451 219	50	NPP/SRD 4_2F	451 219	50
Partition Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	APP/SRD 4_2F	464 159	50	APP/SRD 4_2F	464 159	50
Test Plug	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	TF Ø2	493 020	5	TF Ø2	493 020	5
Cross Connection	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P2 W			D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		
Package Quantity						
	50			50		

SRD 4-2FD-B

Width: 6,2 mm



Cat No:

311 929
311 920

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	1	AWG 28-10

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

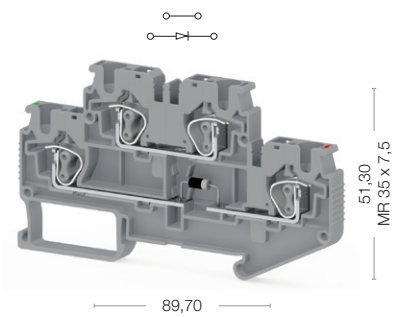
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4-2FD-L

Width: 6,2 mm



Cat No:

312 049
312 040

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	1	AWG 28-10

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

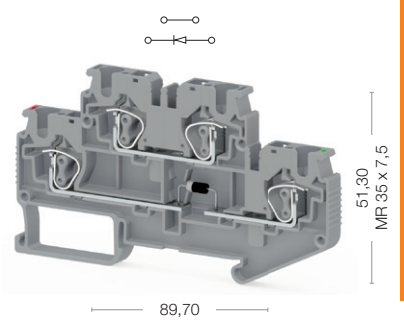
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4-2FD-R

Width: 6,2 mm



Cat No:

311 939
311 930

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	1	AWG 28-10

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

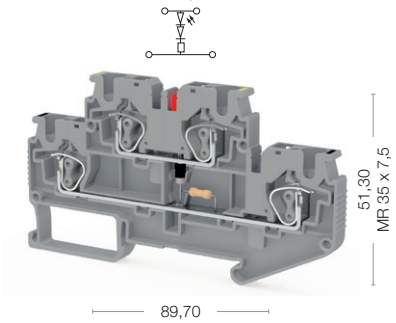
8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4-2F

SRD 4-2FLD-24VAC

Width: 6,2 mm

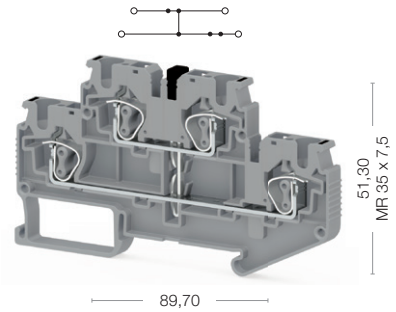


Cat No:

311 959
311 950

SRD 4-2FK

Width: 6,2 mm



Cat No:

312 069
312 060

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	24	32	4 mm²	500	32	4 mm²
UL	24V (AC)	20mA	AWG 28-10	300	30	AWG 28-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50	NPP/SRD 4_2F	451 219	50

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.
APP/SRD 4_2F	464 159	50	APP/SRD 4_2F	464 159	50

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



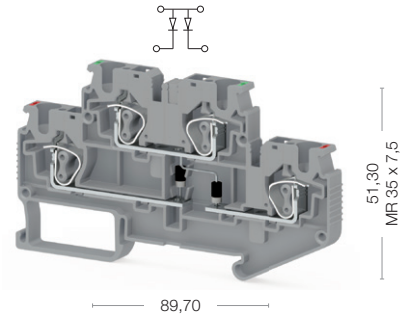
Type	Order No	Qty.	Type	Order No	Qty.
CS 4/2	470 112	25	CS 4/2	470 112	25
CS 4/3	470 113	20	CS 4/3	470 113	20
CS 4/4	470 114	15	CS 4/4	470 114	15
CS 4/5	470 115	10	CS 4/5	470 115	10
CS 4/10	470 119	5	CS 4/10	470 119	5
CS 4/20	470 180	10	CS 4/20	470 180	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

SRD 4-F2D-A

Width: 6,2 mm



Cat No:

312 029
312 020

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	1	AWG 28-10
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

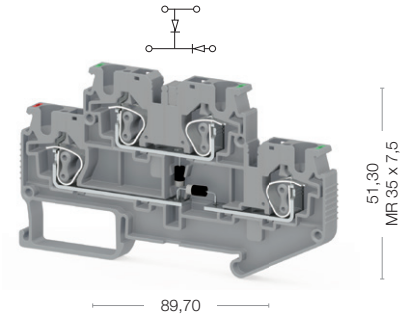
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4-F2D-B

Width: 6,2 mm



Cat No:

312 039
312 030

Voltage, V ~	Current, A	Cross-Section
500	1	4 mm²
300	10-28	AWG 28-10
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

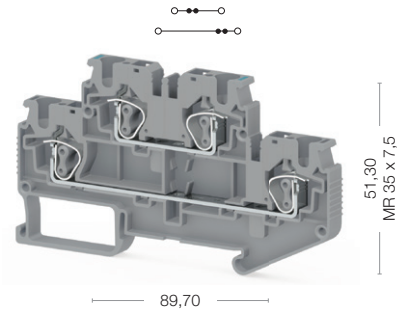
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SRD 2,5-2FLD-..... Ordering Data		
24VDC	Gray	311 949
	Beige	311 940
48VAC	Gray	311 979
	Beige	311 970
48VDC	Gray	311 969
	Beige	311 960
110VAC	Gray	311 999
	Beige	311 990
110VDC	Gray	311 989
	Beige	311 980
220VAC	Gray	312 019
	Beige	312 010
220VDC	Gray	312 009
	Beige	312 000

SRD 4-2F
SRD 4-FT

SRD 4-FN

Width: 6,2 mm

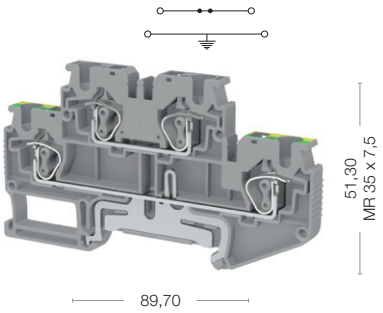


Cat No:

312 059
312 050

SRD 4-FT

Width: 6,2 mm



Cat No:

312 079
312 070

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	32	4 mm²	500	32	4 mm²
UL	300	30	AWG 28-10	300	30	AWG 28-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 -6 mm²			0,08 -6 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²			0,14 - 4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²			1 mm²		
AWG Conductor	28-10			28-10		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT3 (0,6x3,5)			KT3 (0,6x3,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4_2F	451 219	50	NPP/SRD 4_2F	451 219	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4_2F	464 159	50	APP/SRD 4_2F	464 159	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

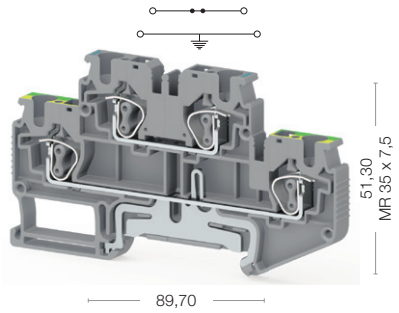
Cross Connection				Type	Order No	Qty.
	CS 4/2	470 112	25	CS 4/2	470 112	25
	CS 4/3	470 113	20	CS 4/3	470 113	20
	CS 4/4	470 114	15	CS 4/4	470 114	15
	CS 4/5	470 115	10	CS 4/5	470 115	10
	CS 4/10	470 119	5	CS 4/10	470 119	5
	CS 4/20	470 180	10	CS 4/20	470 180	10

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

SRD 4-NT

Width: 6,2 mm



Cat No:

312 089
312 080

Voltage, V ~	Current, A	Cross-Section
500	32	4 mm²
300	30	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4_2F	451 219	50

Type	Order No	Qty.
APP/SRD 4_2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

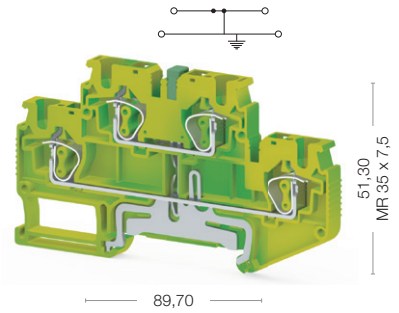
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A3
IP20/NA/PE
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4-2T

Width: 6,2 mm



Cat No:

337 200

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.
NPP/SRD 4-2F	451 212T	50

Type	Order No	Qty.
APP/SRD 4-2F	464 159	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

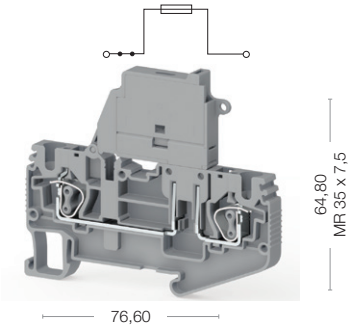
8/3
1/A3
IP20/PE
D-NS 6,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

SRD 4 S
SRD 4 SLD

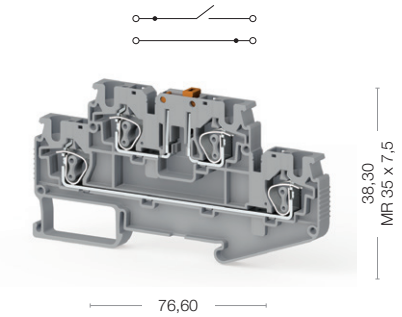
SRD 4S

Width: 6,2 mm



SRD 4 AF

Width: 6,2 mm



Cat No:

312 119
312 110

Cat No:

312 099
312 090

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	10	4 mm²	500	32	24 mm²
UL	300	10	AWG 28-10	300	T:20A, B:30A	AWG 28-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -6 mm²	0,08 -6 mm²
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²	0,14 - 4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²	1 mm²
AWG Conductor	28-10	28-10
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT3 (0,6x3,5)	KT3 (0,6x3,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 4E	451 199	50	NPP/SRD 4AF	451 229	50

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.
APP/SRD 4E	464 129	50	APP/SRD 4AF	464 169	50

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



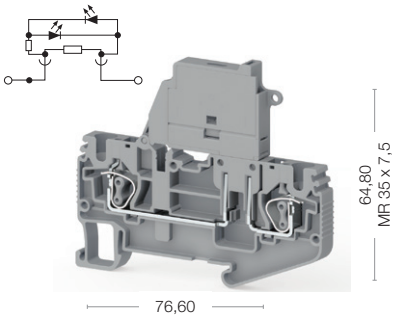
Type	Order No	Qty.	Type	Order No	Qty.
CS 4/2	470 112	25	CS 4/2	470 112	25
CS 4/3	470 113	20	CS 4/3	470 113	20
CS 4/4	470 114	15	CS 4/4	470 114	15
CS 4/5	470 115	10	CS 4/5	470 115	10
CS 4/10	470 119	5	CS 4/10	470 119	5
CS 4/20	470 180	10	CS 4/20	470 180	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W	D-NS 6,2x6, SLF-P2 W

Package Quantity	
	50	50

SRD 4 SLD 24V AC/DC

Width: 6,2 mm



Cat No:

312 139
312 130

Voltage, V ~	Current, A	Cross-Section
24	10	4 mm²
24	10	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
NPP/SRD 4E	451 199	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

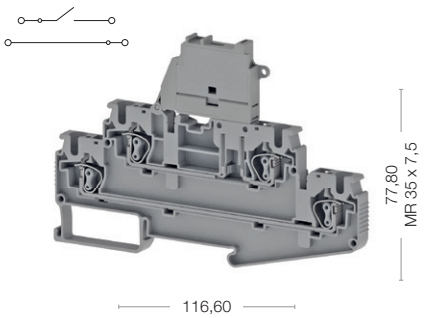
Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A4
IP20/NA
D-NS 6,2x6, SLF-P1 W

50

SRD 4 FS

Width: 6,2 mm



Cat No:

312 259
312 250

Voltage, V ~	Current, A	Cross-Section
24	10	4 mm²
24	10	AWG 28-10

0,08 -6 mm²
0,14 - 4 mm²
1 mm²
28-10
8-10
KT3 (0,6x3,5)

Type	Order No	Qty.

Type	Order No	Qty.
NPP/SRD 4FS	451 379	50

Type	Order No	Qty.
APP/SRD 4E	464 129	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 4/2	470 112	25
CS 4/3	470 113	20
CS 4/4	470 114	15
CS 4/5	470 115	10
CS 4/10	470 119	5
CS 4/20	470 180	10

8/3
1/A4
IP20/NA
DG 6/5, SLF-P2 W, KCSLF-W 4,9x100mm

50

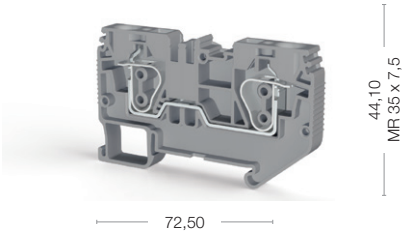
SRD 4 SLD -..... Ordering Data		
48V AC/DC	Gray	312 149
	Beige	312 140
110V AC/DC	Gray	312 159
	Beige	312 150
220V AC/DC	Gray	312 169
	Beige	312 160

SRD 4 FSLD -..... Ordering Data		
24V AC/DC	Gray	312 269
	Beige	312 260
48V AC/DC	Gray	312 279
	Beige	312 270
110V AC/DC	Gray	312 289
	Beige	312 280
220V AC/DC	Gray	312 299
	Beige	312 290

SRD 6

SRD 6

Width: 8 mm

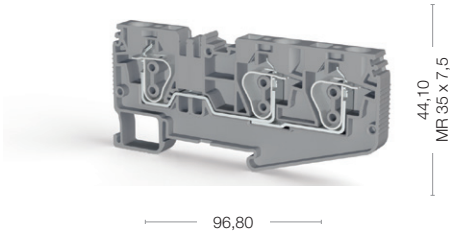


Cat No:

312 199
312 190

SRD 6 E

Width: 8 mm



Cat No:

312 209
312 200

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	1000	41	6 mm²	1000	41	6 mm²
UL	600	43	AWG 24-8	600	43	AWG 24-8
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2 -10 mm²			0,2 -10 mm²		
Conductor cross section stranded (min.-max.)	0,2 - 6 mm²			0,2 - 6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1,5 mm²			1,5 mm²		
AWG Conductor	24-8			24-8		
Insulation Stripping Length (min.-max.)	10-12			10-12		
Screwdriver	KTD 3 (0,6 x Ø3,5)			KTD 3 (0,6 x Ø3,5)		

End Block	Type	Order No	Qty.	Type	Order No	Qty.
	KD3	495 049	100	KD3	495 049	100
	KD4	495 059	100	KD4	495 059	100
	KD7	495 210	50	KD7	495 210	50
	KD8	495 229	50	KD8	495 229	50

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 6	451 249	50	NPP/SRD 6 E	451 259	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 6	464 179	50	APP/SRD 6 E	464 189	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2,3	493 023	5	TF Ø2,3	493 023	5

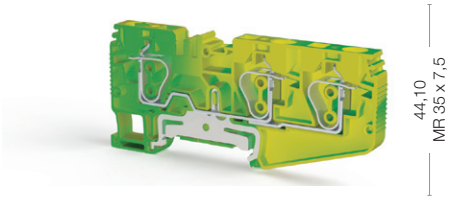
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 6/2	470 122	25	CS 6/2	470 122	25
	CS 6/3	470 123	20	CS 6/3	470 123	20
	CS 6/4	470 124	15	CS 6/4	470 124	15
	CS 6/5	470 125	10	CS 6/5	470 125	10
	CS 6/10	470 129	5	CS 6/10	470 129	5

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A5			1/A5		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 8x6, SLF-P1 W			D-NS 8x6, SLF-P1 W		

Package Quantity						
	50			50		

SRD 6 ET

Width: 8 mm



Cat No:

337 220

Voltage, V ~	Current, A	Cross-Section
		6 mm²
		AWG 24-8

0,2 -10 mm²
0,2 - 6 mm²
1,5 mm²
24-8
10-12
KTD 3 (0,6 x Ø3,5)

Type	Order No	Qty.
KD3	495 049	100
KD4	495 059	100
KD7	495 210	50
KD8	495 229	50

Type	Order No	Qty.
NPP/SRD 6 E	451 252T	50

Type	Order No	Qty.
APP/SRD 6 E	464 189	50

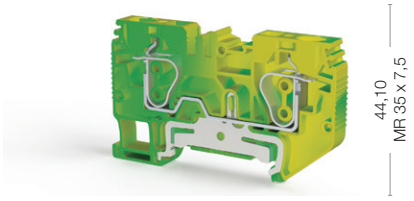
Type	Order No	Qty.
TF Ø2,3	493 023	5

8/3
1/A5
IP20/PE
D-NS 8x6, SLF-P1 W

50

SRD 6 T

Width: 8 mm



Cat No:

337 210

Voltage, V ~	Current, A	Cross-Section
		6 mm²
		AWG 24-8

0,2 -10 mm²
0,2 - 6 mm²
1,5 mm²
24-8
10-12
KTD 3 (0,6 x Ø3,5)

Type	Order No	Qty.
KD3	495 049	100
KD4	495 059	100
KD7	495 210	50
KD8	495 229	50

Type	Order No	Qty.
NPP/SRD 6	451 242 T	50

Type	Order No	Qty.
APP/SRD 6	464 179	50

Type	Order No	Qty.
TF Ø2,3	493 023	5

8/3
1/A5
IP20/PE
D-NS 8x6, SLF-P1 W

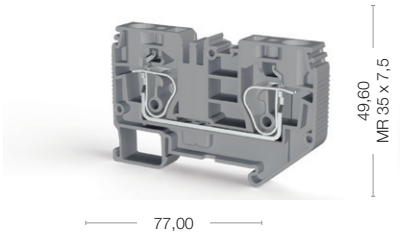
50

Color	Color code is the last digit of the order number	Blue 1	Green 2	Yellow 3	Red 4	Black 5	White 6	Orange 7

SRD 10

SRD 10

Width: 10 mm

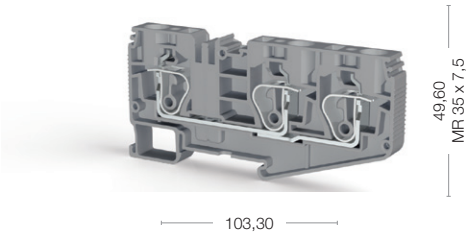


Cat No:

312 219
312 210

SRD 10 E

Width: 10 mm



Cat No:

312 229
312 220

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	1000	57	10 mm²	1000	57	10 mm²
UL	600	60	AWG 20-6	600	60	AWG 20-6
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2 -16 mm²			0,2 -16 mm²		
Conductor cross section stranded (min.-max.)	0,2 - 10 mm²			0,2 - 10 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	2,5 mm²			2,5 mm²		
AWG Conductor	24-6			24-6		
Insulation Stripping Length (min.-max.)	16-18			16-18		
Screwdriver	KTD 4 (0,8 x Ø4,0)			KTD 4 (0,8 x Ø4,0)		

End Block	Type	Order No	Qty.	Type	Order No	Qty.
	KD3	495 049	100	KD3	495 049	100
	KD4	495 059	100	KD4	495 059	100
	KD7	495 210	50	KD7	495 210	50
	KD8	495 229	50	KD8	495 229	50

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 10	451 279	50	NPP/SRD 10 E	451 299	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 10	464 199	50	APP/SRD 10 E	464 219	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2,3	493 023	5	TF Ø2,3	493 023	5

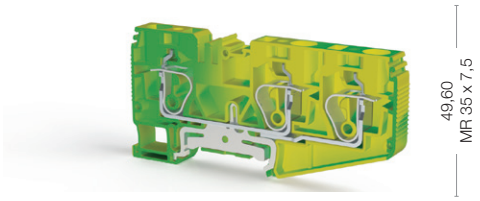
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 10/2	470 132	25	CS 10/2	470 132	25
	CS 10/3	470 133	20	CS 10/3	470 133	20
	CS 10/4	470 134	15	CS 10/4	470 134	15
	CS 10/5	470 135	10	CS 10/5	470 135	10
	CS 10/10	470 139	5	CS 10/10	470 139	5

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A6			1/A6		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 10x6, SLF-P1 W			D-NS 10x6, SLF-P1 W		

Package Quantity						
	50			50		

SRD 10 ET

Width: 10 mm



Cat No:

337 240

Voltage, V ~	Current, A	Cross-Section
		10 mm²
		AWG 20-6

0,2 -16 mm²
0,2 - 10 mm²
2,5 mm²
24-6
16-18
KTD 4 (0,8 x Ø4,0)

Type	Order No	Qty.
KD3	495 049	100
KD4	495 059	100
KD7	495 210	50
KD8	495 229	50

Type	Order No	Qty.
NPP/SRD 10 E	451 292T	50

Type	Order No	Qty.
APP/SRD 10 E	464 219	50

Type	Order No	Qty.
TF Ø2,3	493 023	5

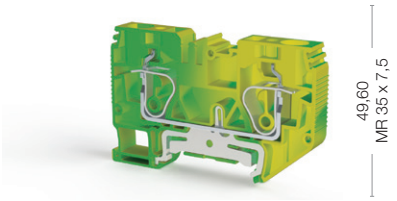
Type	Order No	Qty.

8/3
1/A6
IP20/NA
D-NS 10x6, SLF-P1 W

50

SRD 10 T

Width: 10 mm



Cat No:

337 230

Voltage, V ~	Current, A	Cross-Section
		10 mm²
		AWG 20-6

0,2 -16 mm²
0,2 - 10 mm²
2,5 mm²
24-6
16-18
KTD 4 (0,8 x Ø4,0)

Type	Order No	Qty.
KD3	495 049	100
KD4	495 059	100
KD7	495 210	50
KD8	495 229	50

Type	Order No	Qty.
NPP/SRD 10	451 272 T	50

Type	Order No	Qty.
APP/SRD 10	464 199	50

Type	Order No	Qty.
TF Ø2,3	493 023	5

8/3
1/A6
IP20/NA
D-NS 10x6, SLF-P1 W

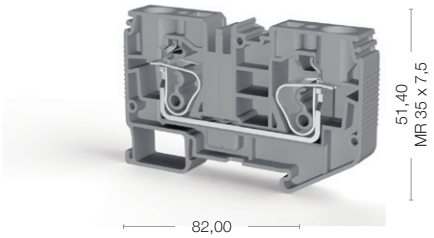
50

Color		
Color code is the last digit of the order number	Blue	1
	Green	2
	Yellow	3
	Red	4
	Black	5
	White	6
	Orange	7

SRD 16

SRD 16

Width: 12 mm

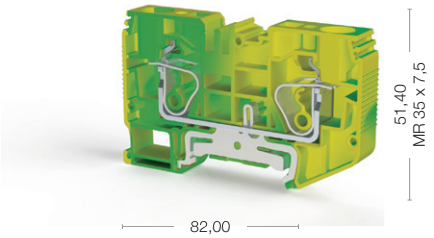


Cat No:

312 239
312 230

SRD 16 T

Width: 12 mm



Cat No:

337 250

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	1000	76	16 mm²			16 mm²
UL	600	78	AWG 16-4			AWG 16-4
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2 -25 mm²			0,2 -25 mm²		
Conductor cross section stranded (min.-max.)	0,2 - 16 mm²			0,2 - 16 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	2,5 mm²			2,5 mm²		
AWG Conductor	24-4			24-4		
Insulation Stripping Length (min.-max.)	17			17		
Screwdriver	KTD 5 (1,0 x Ø5,5)			KTD 5 (1,0 x Ø5,5)		

End Block	Type	Order No	Qty.	Type	Order No	Qty.
	KD 3	495 049	100	KD 3	495 049	100
	KD 4	495 059	100	KD 4	495 059	100
	KD 7	495 210	50	KD 7	495 210	50
	KD 8	495 229	50	KD 8	495 229	50

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 16	451 289	50	NPP/SRD 16T	451 282T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 16	464 209	50	APP/SRD 16	464 209	50

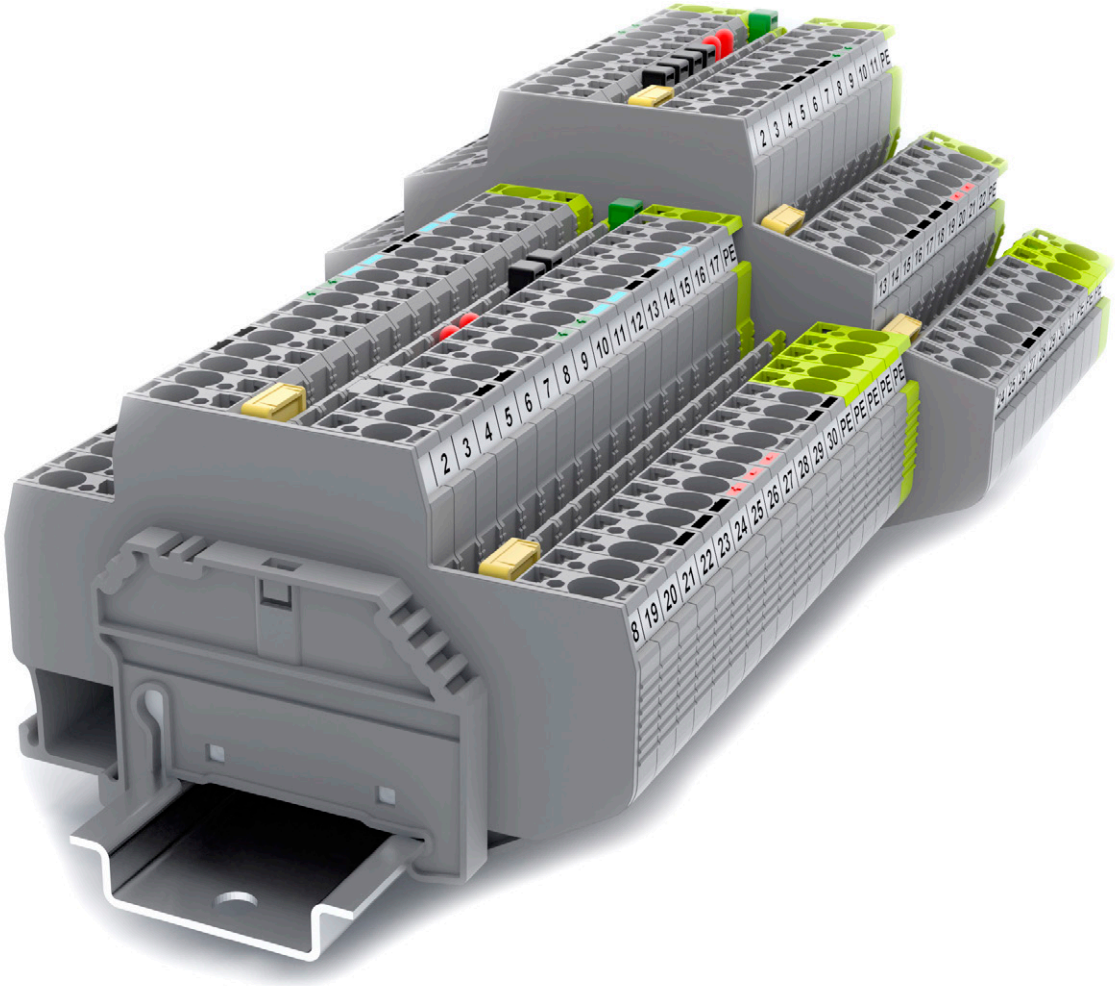
Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2,3	493 023	5	TF Ø2,3	493 023	5

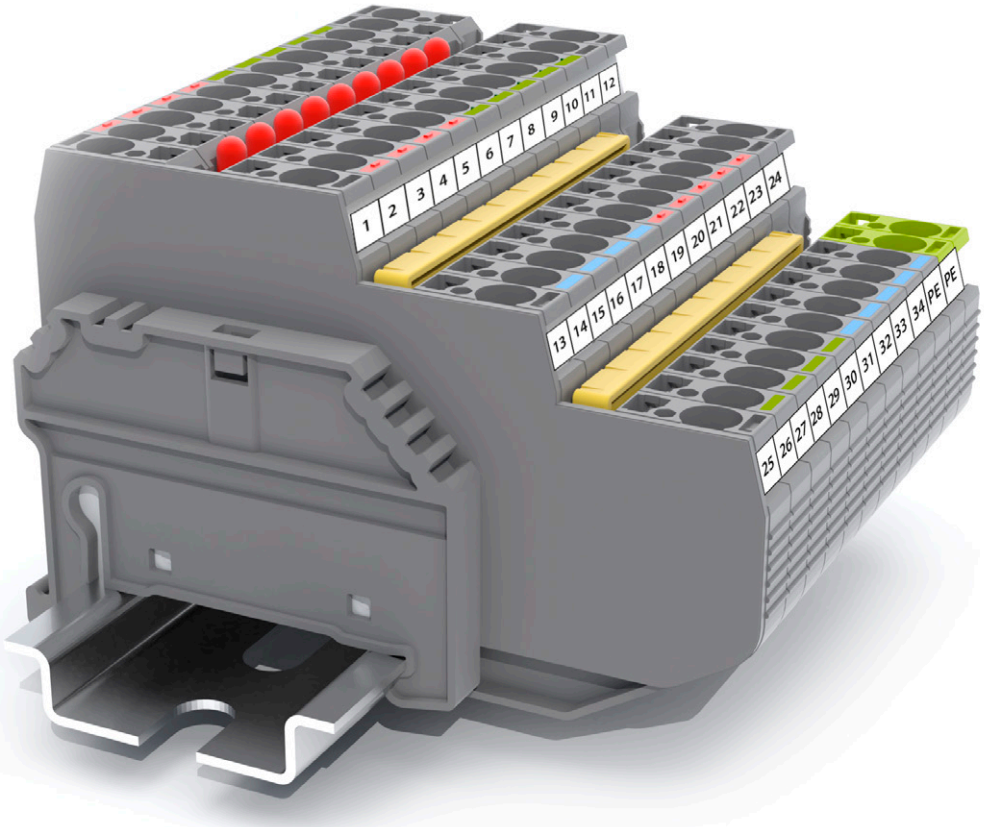
Cross Connection	Type	Order No	Qty.			
	CS 16/2	470 152	25			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A7			1/A7		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 12x6, SLF-P1 W			D-NS 12x6, SLF-P1 W		

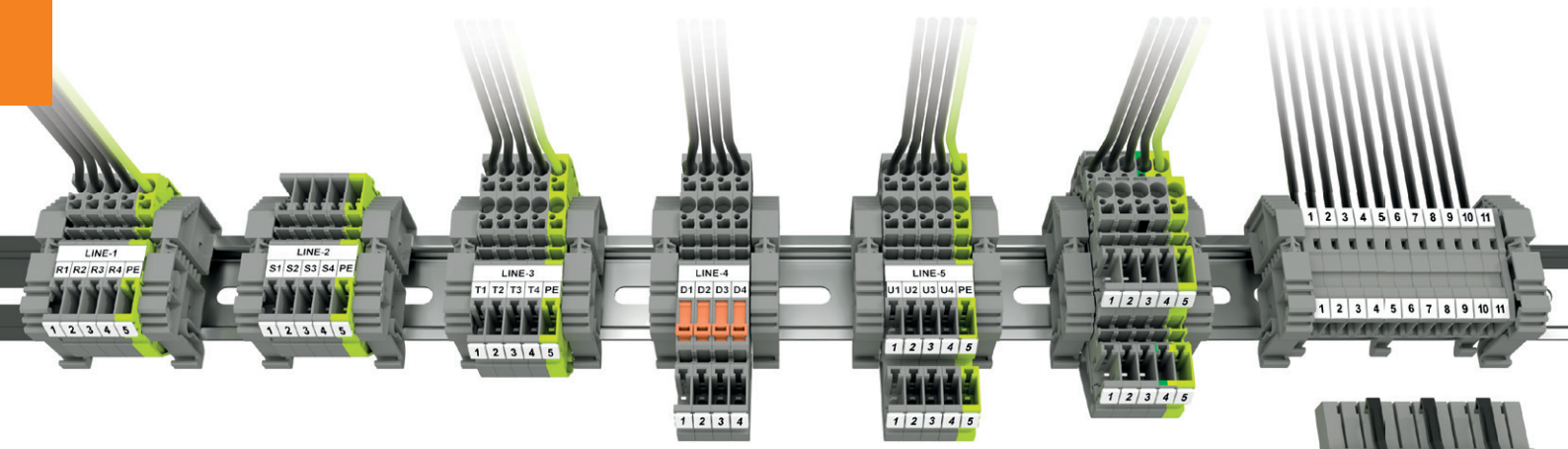
Package Quantity						
	50			50		

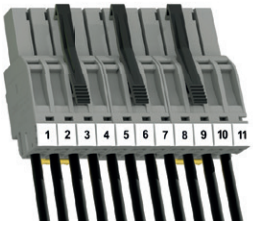
Color						
Color code is the last digit of the order number						
Blue	Green	Yellow	Red	Black	White	Orange
1	2	3	4	5	6	7


2 3 4 5 6 7 8 9 10 11 PE
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 PE
8 19 20 21 22 23 24 25 26 27 28 29 30 PE PE PE PE


1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 PE PE

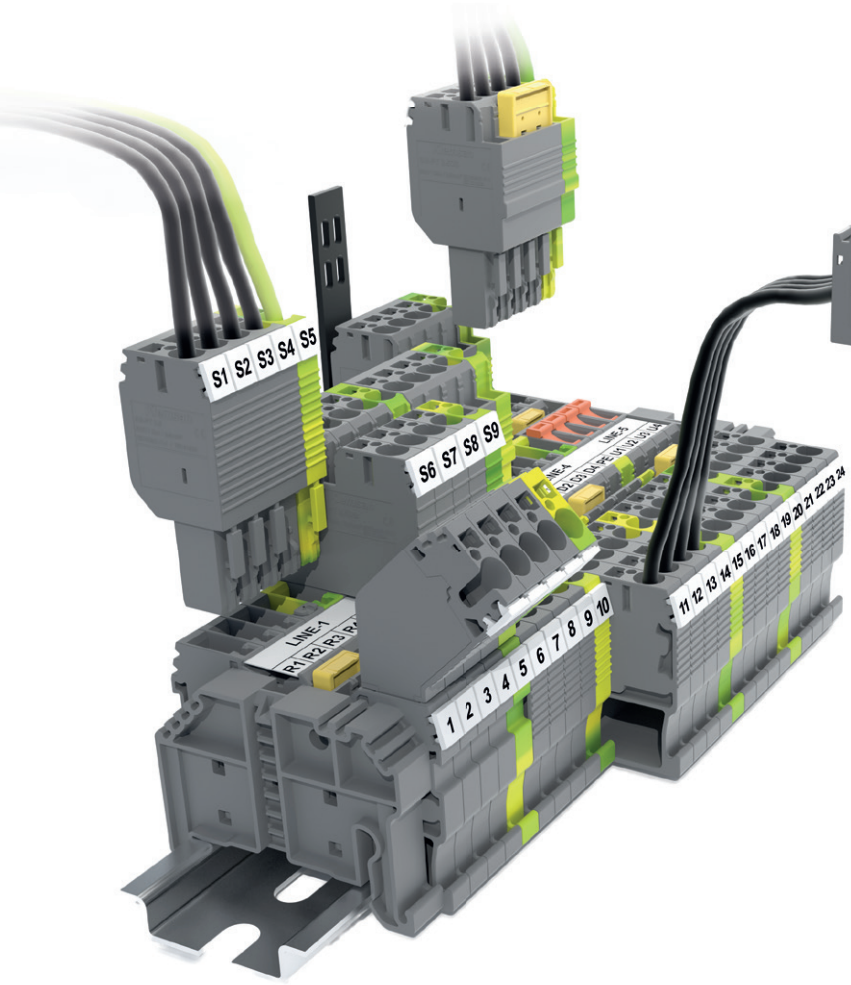
Complying with EN 45545-2 European Railway Standard for fire safety classes R22-R23-R24-R26 and Hazard Levels HL1 - HL2 - HL3

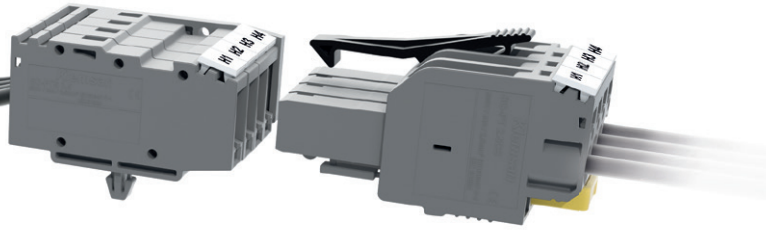




DIN Rail Mounting

Airborne connection terminals can be used on DIN Rails as well as the other rail terminals with different sized structures.





Klemsan StoP terminal blocks are

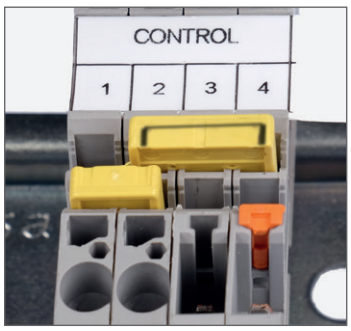
highly recommended

for **LIFT / ELEVATOR INDUSTRY** applications; also for **RAILWAY TRANSPORTATION** and **MARINE INDUSTRIES** as well.

By using our brand new series Klemsan StoP Terminal Blocks, you can easily build your signal or power circuits with plugs and sockets. Besides DIN Rail mount types, you can also make coupling of terminals without any DIN Rail fixing. The new StoP terminals enable users to intervene energy breakdowns quickly, making tests faster and safer.

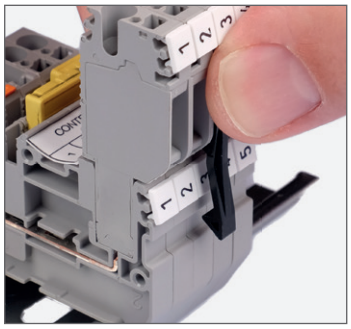
- By using pin locks, user can match the right plugs and sockets. This prevents misconnection.
- Plugs and sockets can be purchased seperately to make customized sets.
- Same cross-connectors can be used for both terminals and sockets.
- User can use either strip labels or marking tags for the proper marking of the terminal block set.

Custom Solutions for Processes



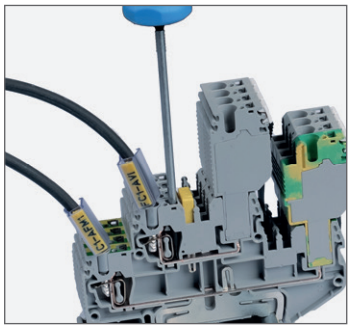
Cross-Connection

It is possible to make dual cross-connections on terminals and same cross-connectors can also be used for sockets. You may use permanent markers to indicate poles on cross-connectors.



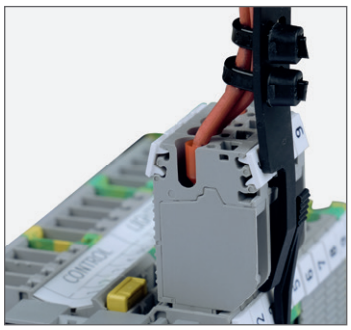
Socket Locks

Extra optional locks prevent your circuits from excessive vibrations. Sockets can be removed from terminals by simply pushing the clip upwards.



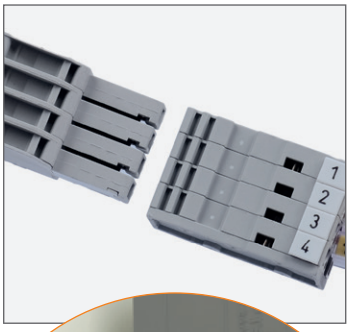
Wire Assembly for Terminals

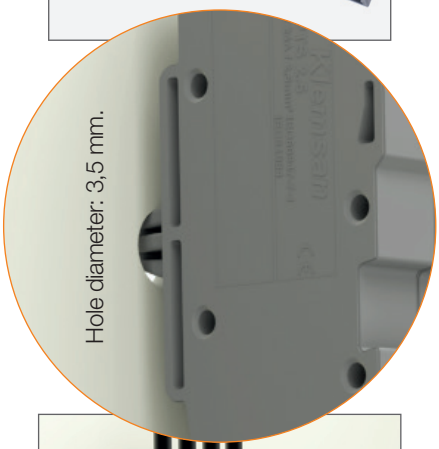
Wires can be assembled quickly and easily by opening the spring cage with the suitable screwdriver.



Cable Tie Mount

You can use a cable tie to hold all cables together assembled to the socket by using cable tie mount.

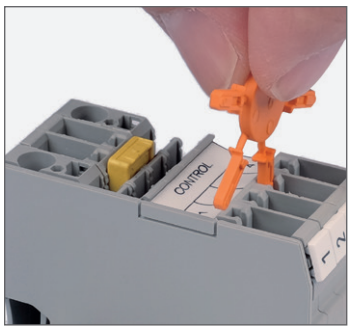




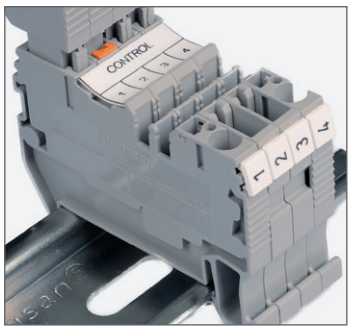


Airborne Connection

Airborne connection terminals can be used for making quick and safe connections inside the panels or installation ducts.







Pin Coding

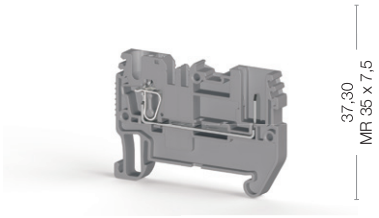
Use orange pins on terminals to prevent the misconnection of sockets.

Series Terminals

CTP: Clamp to Pin,
PTP: Pin to Pin

CTP 2.5

Width: 5,2 mm

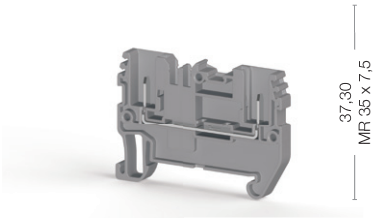


Cat No:

310 129
310 120
310 121

PTP 2.5

Width: 5,2 mm



Cat No:

310 109
310 100
310 101

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10 mm			8-10 mm		
Screwdriver						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/CTP 2,5	451 059	50	NPP/CTP 2,5	451 059	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5	464 029	50	APP/SRD 2,5	464 029	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5 / 2	470 102	25	CS 2,5 / 2	470 102	25
	CS 2,5 / 3	470 103	20	CS 2,5 / 3	470 103	20
	CS 2,5 / 4	470 104	15	CS 2,5 / 4	470 104	15
	CS 2,5 / 5	470 105	10	CS 2,5 / 5	470 105	10
	CS 2,5 / 10	470 109	5	CS 2,5 / 10	470 109	5
	CS 2,5 / 20	470 170	10	CS 2,5 / 20	470 170	10

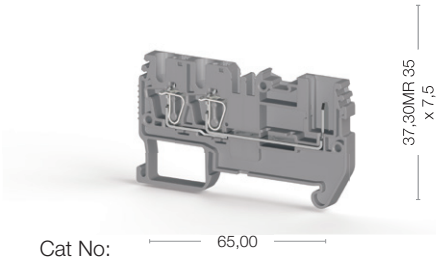
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W			D-NS 5,2x6, SLF-P1 W		

Package Quantity						
	50			50		

CTP 2.5 E

Width: 5,2 mm





Cat No:

310 139
310 130
310 131

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5	451 089	50

Type	Order No	Qty.
APP/CTP 2,5E	464 039	50

Type	Order No	Qty.

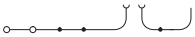
Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5
CS 2,5 / 20	470 170	10

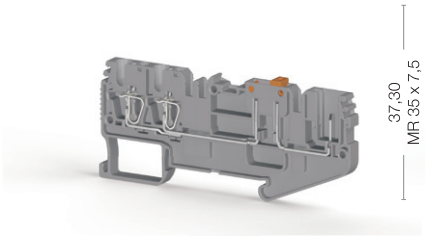
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

CTP 2.5 EA

Width: 5,2 mm





Cat No:

310 159

Voltage, V ~	Current, A	Cross-Section
400	20	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 C	451 099	50

Type	Order No	Qty.
APP/CTP 2,5C	464 049	50

Type	Order No	Qty.

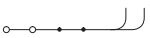
Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5
CS 2,5 / 20	470 170	10

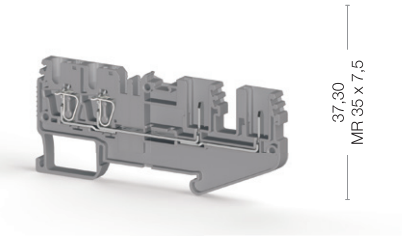
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

CTP 2.5 C

Width: 5,2 mm





Cat No:

310 149

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 C	451 099	50

Type	Order No	Qty.
APP/CTP 2,5C	464 049	50

Type	Order No	Qty.

Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5
CS 2,5 / 20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

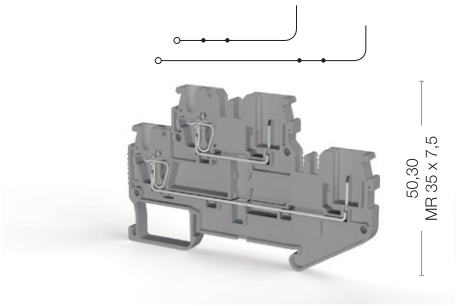
Spring to Pin

Series Terminals

CTP: Clamp to Pin,
PTP: Pin to Pin

CTP 2.5-2F

Width: 5,2 mm

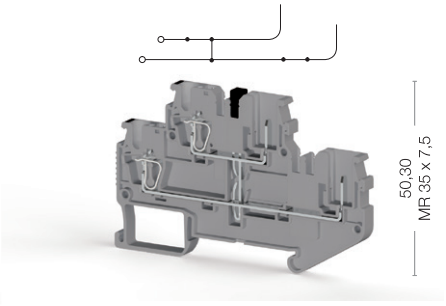


Cat No:

310 169
310 160
310 161

CTP 2.5-2FK

Width: 5,2 mm



Cat No:

310 179

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10 mm			8-10 mm		
Screwdriver						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/CTP 2,5 F	451 079	25	NPP/CTP 2,5 F	451 079	25

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5-2F	464 069	50	APP/SRD 2,5-2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TFØ2	493 020	5	TFØ2	493 020	5

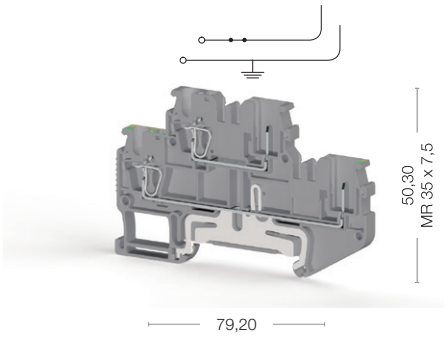
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5 / 2	470 102	25	CS 2,5 / 2	470 102	25
	CS 2,5 / 3	470 103	20	CS 2,5 / 3	470 103	20
	CS 2,5 / 4	470 104	15	CS 2,5 / 4	470 104	15
	CS 2,5 / 5	470 105	10	CS 2,5 / 5	470 105	10
	CS 2,5 / 10	470 109	5	CS 2,5 / 10	470 109	5
	CS 2,5 / 20	470 170	10	CS 2,5 / 20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

CTP 2.5-FT

Width: 5,2 mm



Cat No:

310 189

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 F	451 079	25

Type	Order No	Qty.
APP/SRD 2,5-2F	464 069	50

Type	Order No	Qty.
TFØ2	493 020	5

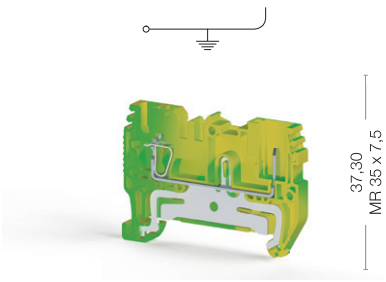
Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5
CS 2,5 / 20	470 170	10

6/3
1/A3
IP20/NA/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

CTP 2.5 T

Width: 5,2 mm



Cat No:

337 040

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 T	451 052 T	50

Type	Order No	Qty.
APP/SRD 2,5	464 029	50

Type	Order No	Qty.
TFØ2	493 020	5

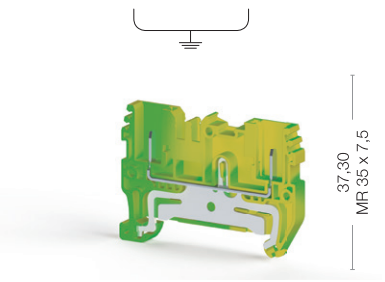
Type	Order No	Qty.

6/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PTP 2.5 T

Width: 5,2 mm



Cat No:

337 020

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 T	451 052 T	50

Type	Order No	Qty.
APP/SRD 2,5	464 029	50

Type	Order No	Qty.
TFØ2	493 020	5

Type	Order No	Qty.

6/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

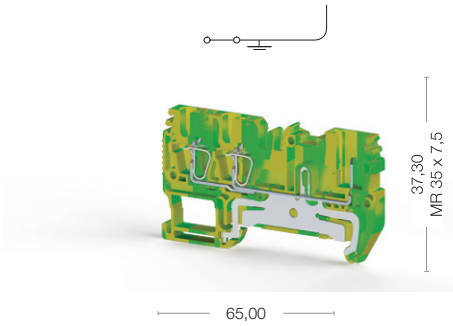
50

Series Terminals

CTP: Clamp to Pin,
PTP: Pin to Pin

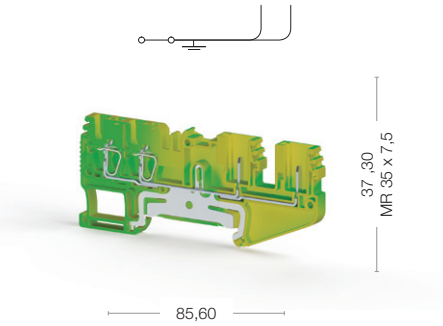
CTP 2.5 ET

Width: 5,2 mm



CTP 2.5 CT

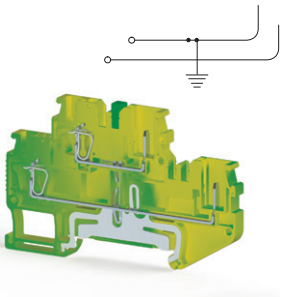
Width: 5,2 mm

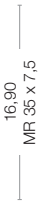


	Cat No: 337 050			Cat No: 337 060		
Electrical Ratings	**Voltage, V ~**	**Current, A**	**Cross-Section**	**Voltage, V ~**	**Current, A**	**Cross-Section**
IEC (EN 60947-7-1/EN 60947-7-2)			2,5 mm²			2,5 mm²
UL			AWG 28-12			AWG 28-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						
Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10 mm			8-10 mm		
Screwdriver						
Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						
End Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	NPP/CTP 2,5 ET	451 082 T	50	NPP/CTP 2,5 CT	451 092 T	50
Partition Plate	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	APP/CTP 2,5E	464 039	50			
Test Plug	**Type**	**Order No**	**Qty.**	**Type**	**Order No**	**Qty.**
	TFØ2	493 020	5			
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/PE			IP20/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W			D-NS 5,2x6, SLF-P1 W		
Package Quantity						
	50			50		

CTP 2.5-2T

Width: 5,2 mm





65,00

Cat No:

337 070

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²
		AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/CTP 2,5 2T	451 072 T	25

Type	Order No	Qty.
APP/SRD 2,5 2F	464 069	50

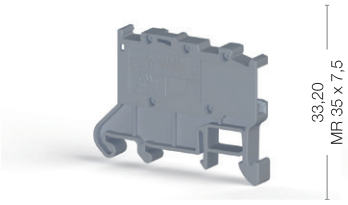
Type	Order No	Qty.
TFØ2	493 020	5

6/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W

50

SC-PTR 2.5

Width: 5,2 mm



Cat No: 41,70

310 949
310 940
310 941

Voltage, V ~	Current, A	Cross-Section
500	20	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/SC-PT 2,5	451 119	50

Type	Order No	Qty.
TFØ2	493 020	5

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

• Can be used with Klemsan products only

SC-PT 2.5

Width: 5,2 mm



Cat No: 16,90

310 929
310 920
310 921

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/SC-PT 2,5	451 119	50

Type	Order No	Qty.
TFØ2	493 020	5

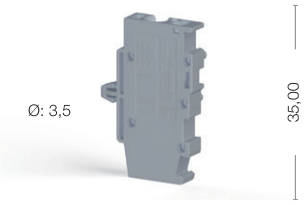
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

• Can be used with Klemsan products only

SC-PTS 2.5

Width: 5,2 mm



Cat No: 16,90

310 939
310 930
310 931

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
NPP/SC-PT 2,5	451 119	50

Type	Order No	Qty.
TFØ2	493 020	5

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

• Can be used with Klemsan products only

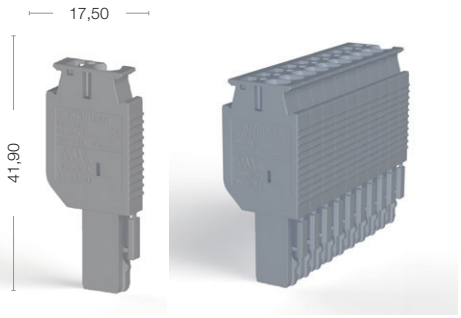
Series Terminals

CTP: Clamp to Pin,
PTP: Pin to Pin

- Can be used with Klemsan products only

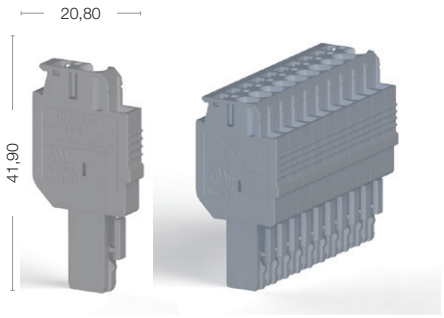
SG-PT 2.5

Width: 5,2 mm



SG-PT 2.5 CS

Width: 5,2 mm



Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (IEC 61984 / IEC 60947-7-1)	500	24	2,5 mm²	500	24	2,5 mm²
UL	300	20	AWG 28-12	300	20	AWG 28-12

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10 mm	8-10 mm

Cross Connection



Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -

Ordenaring Data



SG-PT 2.5CS-1



SG-PT 2.51



SG-PT 2.5AN-1

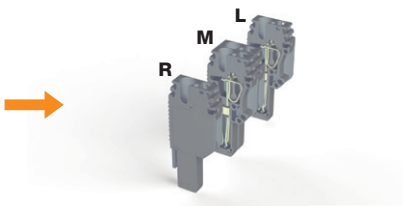


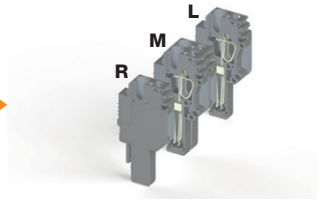
SG-PT 2.5DB-1

Type	Order No	Qty.
SG-PT 2.5-1	310 209	50
SG-PT 2.5-2	310 219	50
SG-PT 2.5-3	310 229	50
SG-PT 2.5-4	310 239	50
SG-PT 2.5-5	310 249	50
SG-PT 2.5-6	310 259	25
SG-PT 2.5-7	310 269	25
SG-PT 2.5-8	310 279	25
SG-PT 2.5-9	310 289	25
SG-PT 2.5-10	310 299	25
SG-PT 2.5-11	310 309	10
SG-PT 2.5-12	310 319	10
SG-PT 2.5-13	310 329	10
SG-PT 2.5-14	310 339	10
SG-PT 2.5-15	310 349	10
SG-PT 2,5/1L	310 359	50
SG-PT 2,5G/1M	310 369	50
SG-PT 2,5G/1R	310 379	50
SG-PT 2.5-1	310 202T	50
SG-PT 2.5-1L	310 352T	50
SG-PT 2.5G-1M	310 362T	50
SG-PT 2.5G-1R	310 372T	50

Type	Order No	
SG-PT 2.5CS-1	310 389	50
SG-PT 2.5CS-2	310 399	50
SG-PT 2.5CS-3	310 409	50
SG-PT 2.5CS-4	310 419	50
SG-PT 2.5CS-5	310 429	50
SG-PT 2.5CS-6	310 439	25
SG-PT 2.5CS-7	310 449	25
SG-PT 2.5CS-8	310 459	25
SG-PT 2.5CS-9	310 469	25
SG-PT 2.5CS-10	310 479	25
SG-PT 2.5CS-11	310 489	10
SG-PT 2.5CS-12	310 499	10
SG-PT 2.5CS-13	310 509	10
SG-PT 2.5CS-14	310 519	10
SG-PT 2.5CS-15	310 529	10
SG-PT 2,5CS/1L	310 539	50
SG-PT 2,5GCS/1M	310 549	50
SG-PT 2,5GCS/1R	310 559	50
SG-PT 2.5CS-1	310 382T	50
SG-PT 2.5CS-1L	310 532T	50
SG-PT 2.5GCS-1M	310 542T	50
SG-PT 2.5GCS-1R	310 552T	50

Just combine single unitsof L-R products for left andright ends, add desiredquantities of M products in-between to make your custom sockets.

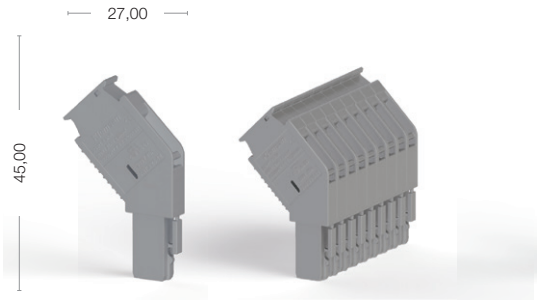




Marking Tags (Dekafix):
See pages 326-333 for usage of Dekafix / D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

SG-PT 2.5 AN

Width: 5,2 mm



Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

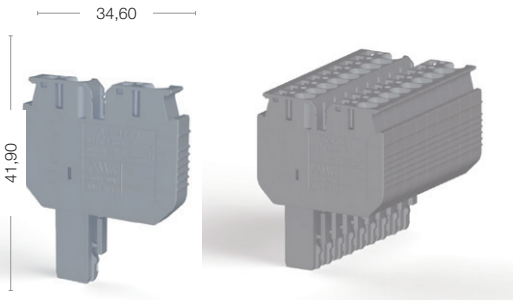
Type	Order No	Qty.

6/3
1/A3
IP 20 / -

Type	Order No	Qty.
SG-PT 2.5AN-1	310 749	50
SG-PT 2.5AN-2	310 759	50
SG-PT 2.5AN-3	310 769	50
SG-PT 2.5AN-4	310 779	50
SG-PT 2.5AN-5	310 789	50
SG-PT 2.5AN-6	310 799	25
SG-PT 2.5AN-7	310 809	25
SG-PT 2.5AN-8	310 819	25
SG-PT 2.5AN-9	310 829	25
SG-PT 2.5AN-10	310 839	25
SG-PT 2.5AN-11	310 849	10
SG-PT 2.5AN-12	310 859	10
SG-PT 2.5AN-13	310 869	10
SG-PT 2.5AN-14	310 879	10
SG-PT 2.5AN-15	310 889	10
SG-PT 2,5AN/1L	310 899	50
SG-PT 2,5GAN/1M	310 909	50
SG-PT 2,5GAN/1R	310 919	50
SG-PT 2.5AN-1	310 742T	50
SG-PT 2.5AN-1L	310 892T	50
SG-PT 2.5GAN-1M	310 902T	50
SG-PT 2.5GAN-1R	310 912T	50

SG-PT 2.5 DB

Width: 5,2 mm



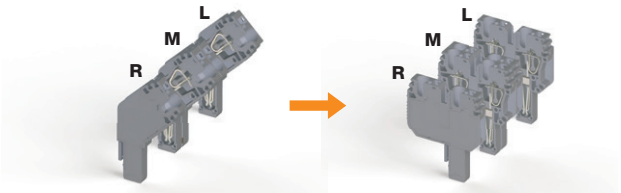
Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²
300	20	AWG 28-12

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10 mm

Type	Order No	Qty.
CS 2,5 / 2	470 102	25
CS 2,5 / 3	470 103	20
CS 2,5 / 4	470 104	15
CS 2,5 / 5	470 105	10
CS 2,5 / 10	470 109	5

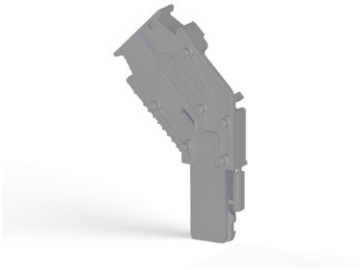
6/3
1/A3
IP 20 / -

Type	Order No	Qty.
SG-PT 2.5DB-1	310 569	50
SG-PT 2.5DB-2	310 579	50
SG-PT 2.5DB-3	310 589	50
SG-PT 2.5DB-4	310 599	50
SG-PT 2.5DB-5	310 609	50
SG-PT 2.5DB-6	310 619	25
SG-PT 2.5DB-7	310 629	25
SG-PT 2.5DB-8	310 639	25
SG-PT 2.5DB-9	310 649	25
SG-PT 2.5DB-10	310 659	25
SG-PT 2.5DB-11	310 669	10
SG-PT 2.5DB-12	310 679	10
SG-PT 2.5DB-13	310 689	10
SG-PT 2.5DB-14	310 699	10
SG-PT 2.5DB-15	310 709	10
SG-PT 2,5DB/1L	310 719	50
SG-PT 2,5GDB/1M	310 729	50
SG-PT 2,5GDB/1R	310 739	50
SG-PT 2.5DB-1	310 562T	50
SG-PT 2.5DB-1L	310 712T	50
SG-PT 2.5GDB-1M	310 722T	50
SG-PT 2.5GDB-1R	310 732T	50

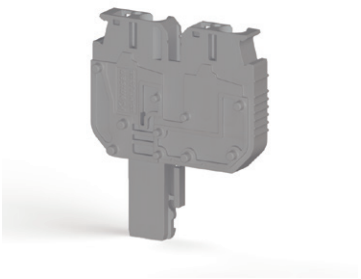




SG-PT 2.5AN-1 L



SG-PT 2.5GAN-1M

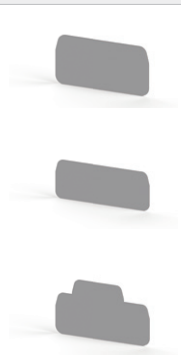


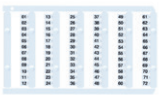
SG-PT 2.5GDB-1M

- Can be used with Klemsan products only

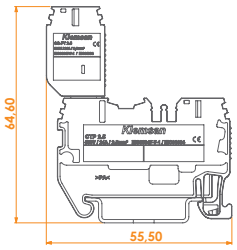
StoP Spring to Pin

Accessories

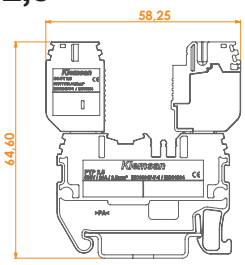
Type		Compatible Products
Socket Locks		
SG-L 469 005 50 Qty.		SG-PT 2.5 SG-PT 2.5CS SG-PT 2.5AN SG-PT 2.5DB
SG-L2 469 015 50 Qty.		
Pin Lock		
SG-N 469 027 50 Qty.		CTP 2.5 PTP 2.5 CTP 2.5E CTP 2.5EA CTP 2.5C CTP 2.5-2F CTP 2.5-2FK CTP 2.5-FT CTP 2.5T PTP 2.5T CTP 2.5ET CTP 2.5CT CTP 2.5-2T
Cable Tie Holder		
SG-P 469 035 100 Qty.		SG-PT 2.5 SG-PT 2.5CS SG-PT 2.5AN SG-PT 2.5DB
Cross-Connection		
SRD K2.5 470 201 100 Qty.		CTP 2.5-2F CTP 2.5-FT
SRD K2.5 470 202 100 Qty.		
Seperation Plates		
APP/SRD CTP 2.5 464 029 50 Qty.		CTP 2.5 PTP 2.5 CTP 2.5T PTP 2.5T
APP/CTP 2.5E 464 039 50 Qty.		CTP 2.5E
APP/CTP 2.5C 464 049 50 Qty.		CTP 2.5C
APP/SRD CTP 2.5-2F 464 069 25 Qty.		CTP 2.5-2FK CTP 2.5-FT CTP 2.5-2F CTP 2.5-2T
End Brackets		
KD 3 / NM 497 009		CTP 2.5 PTP 2.5 CTP 2.5E CTP 2.5EA CTP 2.5C CTP 2.5-2F CTP 2.5-2FK CTP 2.5-FT CTP 2.5T PTP 2.5T CTP 2.5ET CTP 2.5CT CTP 2.5-2T
KD 4 / NM 497 069		

Type		Compatible Products
Rails		
MR35X7.5 (1m) 500 601 20 Qty.		CTP 2.5 PTP 2.5 CTP 2.5E CTP 2.5EA CTP 2.5C CTP 2.5-2F CTP 2.5-2FK CTP 2.5-FT CTP 2.5T PTP 2.5T CTP 2.5ET CTP 2.5CT CTP 2.5-2T SC-PTR 2.5
MR35X7.5 Sloted (1m) 500 602 20 Qty.		
MR35X15 (1m) 500 606 10 Qty.		
MR35X15 Sloted (1m) 500 607 10 Qty.		
Marking		
SLF-P1 W 1020 100 1 Qty.		CTP 2.5 PTP 2.5 CTP 2.5E CTP 2.5EA CTP 2.5C CTP 2.5T PTP 2.5T CTP 2.5ET CTP 2.5CT
DG 6/5 505 330 440 Qty.		Compatible with all StoP products.
D-NS 5,2x6 810 450 720 Qty.		Compatible with all StoP products.
Test Plug		
TFØ2 493 020 50 Qty.		CTP 2.5 CTP 2.5E CTP 2.5EA CTP 2.5C CTP 2.5-2F CTP 2.5-2FK CTP 2.5-FT CTP 2.5T CTP 2.5ET CTP 2.5CT CTP 2.5-2T SG-PT 2.5 SG-PT 2.5CS SG-PT 2.5AN SG-PT 2.5DB
Screwdriver		
KTD 1 561 130 10 Qty.		Compatible with all StoP products.

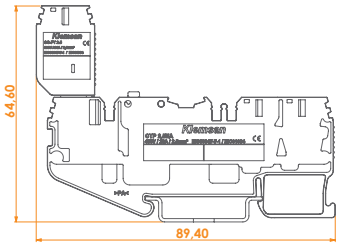
CTP 2,5



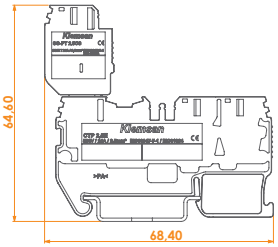
PTP 2,5



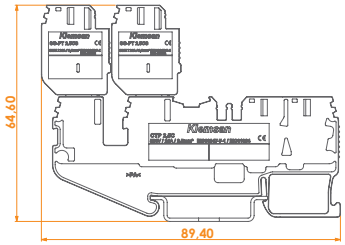
CTP 2,5EA



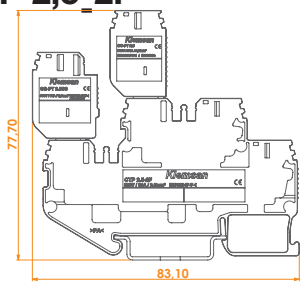
CTP 2,5E



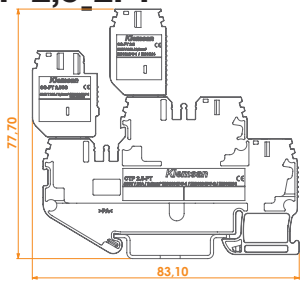
CTP 2,5C



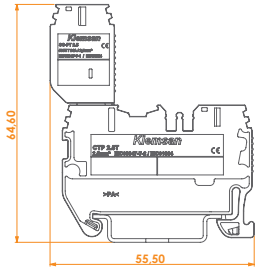
CTP 2,5_2F



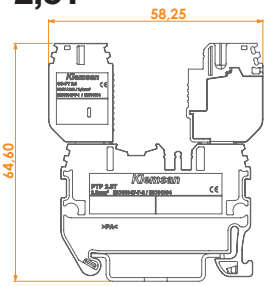
CTP 2,5_2FT



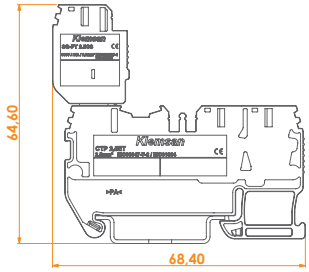
CTP 2,5T



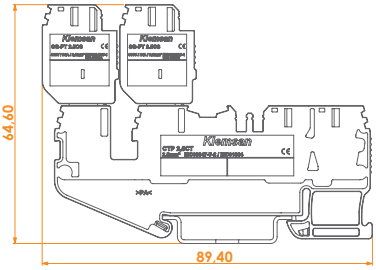
PTP 2,5T



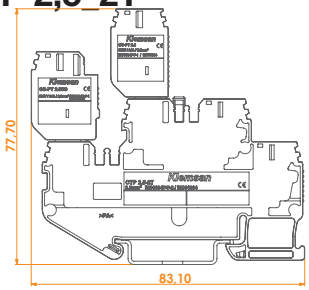
CTP 2,5ET



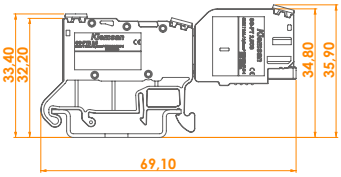
CTP 2,5CT



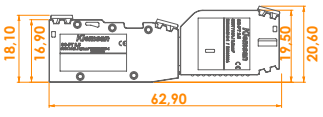
CTP 2,5_2T



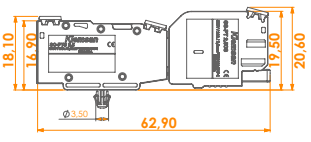
SC-PTR 2,5



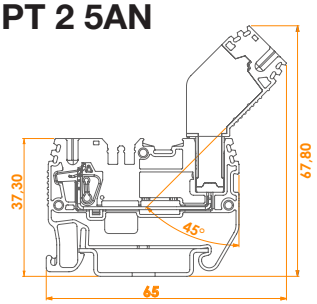
SC-PT 2,5



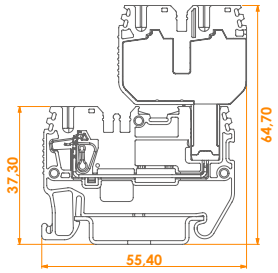
SC-PTS 2,5



SC_PT 2 5AN



SG_PT 2 5DB



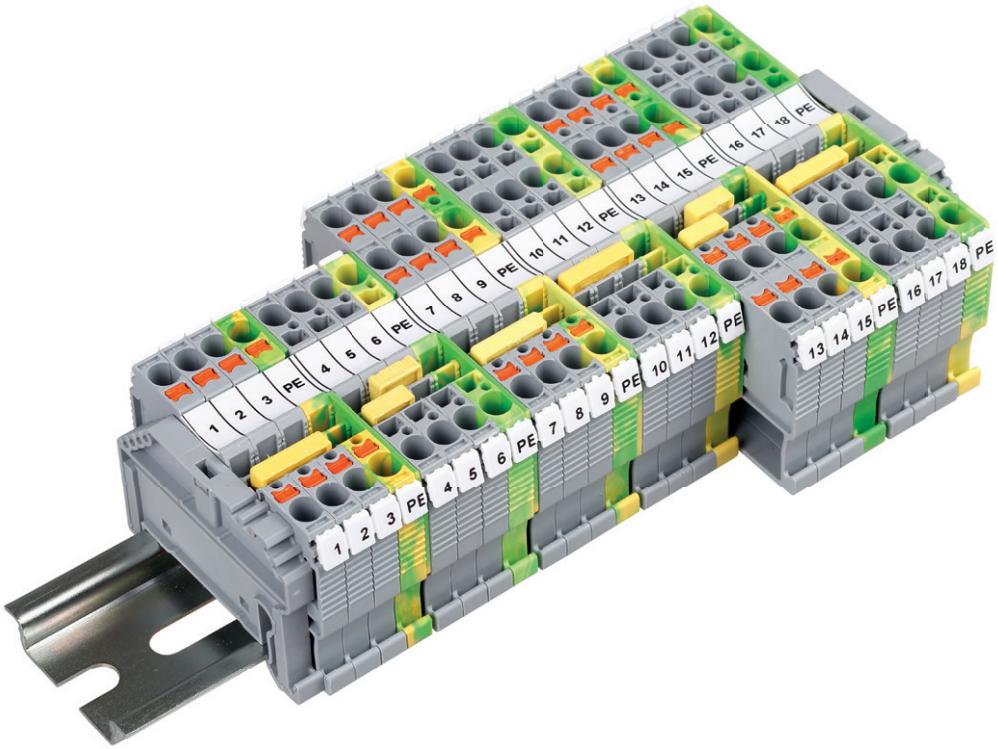
* All dimensions shown are in millimeters.

PRD Series Terminals

PRD Push-In Terminal Blocks can be connected wires from 0.08 mm² (28 AWG) cross-section up to 25 mm² (4 AWG)
PRD Series Push-In Terminal Blocks not necessary the use of screwdrivers for conductor assembly. Pushing the wire that meets the specified conditions into the terminal blocks completes the assembly. While removing the conductor, disassembly is carried out by applying pressure to the orange button with a suitable screwdriver.
Single-core, stranded and ferrule conductors can be connected without any problems without using a hand tool.



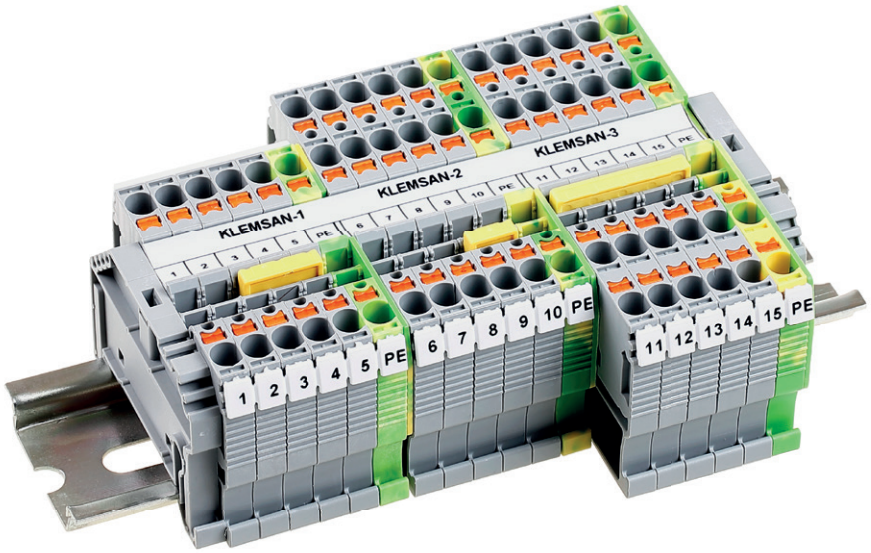
Dimensions and wire entries are the same as SRD Series Cage Clamp Spring Type Terminals. Single-layer versions 11.2 mm; Multi-layer versions can be marked with a 4.9 mm strip label.







Thanks to dual cross-connection ability, user can make continous cross connections. Same cross connections can be used together with SRD Series even on same DIN Rail Project. You can use permanent markers to indicate poles on cross-connectors.

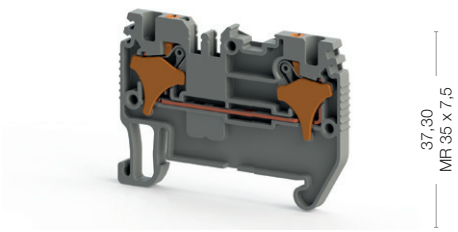


PRD 1

Coming Soon...

PRD 1

Width: 3,6 mm

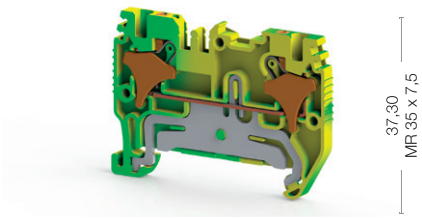


Cat No:

328 009
328 000

PRD 1T

Width: 3,6 mm



Cat No:

337 580

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	17,5	1 mm²			1 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 1,5 mm²			0,08 - 1,5 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 1,5 mm²			0,14 - 1,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve						
AWG Conductor	28-16			28-16		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5	451 059	50	NPP/SRD 2,5	451 052T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5	464 029	50	APP / SRD 2.5	464 029	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 1/2	469 902	25			
	CS 1/3	470 903	20			
	CS 1/4	471 904	15			
	CS 1/5	472 905	10			
	CS 1/10	473 909	5			

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A1/B1	1/A1/B1
Protection class / Protection conductor type	IP20/NA	IP20/PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 3,6x6, SLF-P1 W	D-NS 3,6x6, SLF-P1 W

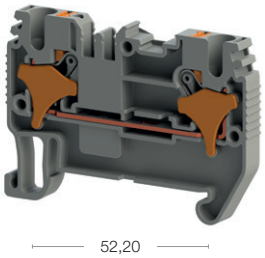
Package Quantity		
	50	50


Klemsan
50th
ANNIVERSARY

PRD 2,5

PRD 2,5

Width: 5,2 mm

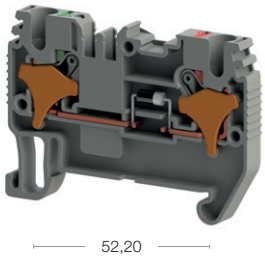


Cat No:

328 059
328 050

PRD 2,5 D-A

Width: 5,2 mm



Cat No:

328 069
328 060

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²	800	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -4 mm²	0,08 -4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / SRD 2.5	451 059	50	NPP / SRD 2.5	451 059	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP / SRD 2.5	464 029	50	APP / SRD 2.5	464 029	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

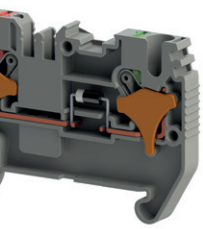
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2.5/20	470 170	10	CS 2.5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W	D-NS 5,2x6, SLF-P1 W

Package Quantity		
	50	50

PRD 2,5 D-B

Width: 5,2 mm



Cat No:

328 079
328 070

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5	451 059	50

Type	Order No	Qty.
APP / SRD 2.5	464 029	50

Type	Order No	Qty.
TF Ø2	493 020	5

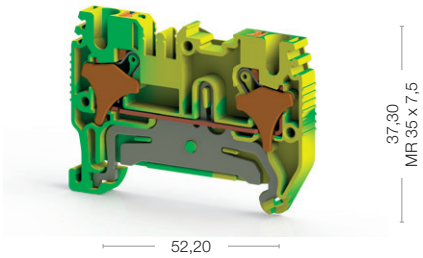
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 T

Width: 5,2 mm



Cat No:

337 620

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5	451 052T	50

Type	Order No	Qty.
APP / SRD 2.5	464 029	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

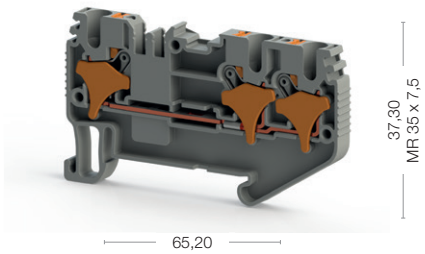
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 E

PRD 2,5 E

Width: 5,2 mm

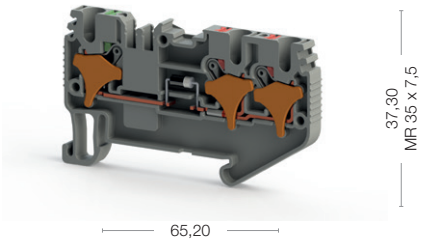


Cat No:

328 089
328 080

PRD 2,5 ED-A

Width: 5,2 mm



Cat No:

328 099
328 090

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²	800	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -4 mm²	0,08 -4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / SRD 2.5E	451 159	50	NPP / SRD 2.5E	451 159	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP / SRD 2.5E	464 079	50	APP / SRD 2.5E	464 079	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

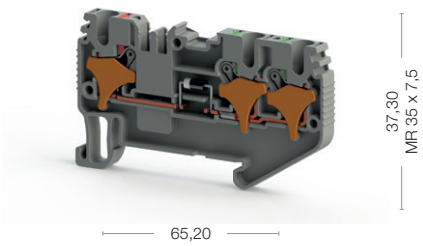
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2.5/20	470 170	10	CS 2.5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W	D-NS 5,2x6, SLF-P1 W

Package Quantity		
	50	50

PRD 2,5 ED-B

Width: 5,2 mm



Cat No:

328 109
328 100

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5E	451 159	50

Type	Order No	Qty.
APP / SRD 2.5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

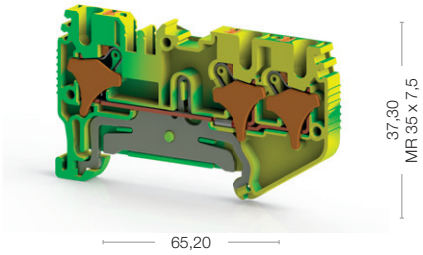
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 ET

Width: 5,2 mm



Cat No:

337 630

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5E	451 152T	50

Type	Order No	Qty.
APP / SRD 2.5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

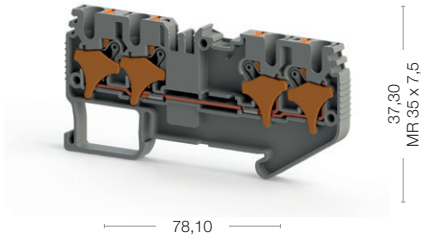
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 C

PRD 2,5 C

Width: 5,2 mm

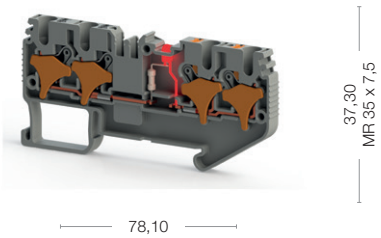


Cat No:

328 119
328 110

PRD 2,5 CLD-24V AC/DC

Width: 5,2 mm



Cat No:

328 169
328 160

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²	24	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 -4 mm²			0,08 -4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / SRD 2.5C	451 189	50	NPP / SRD 2.5C	451 189	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP / SRD 2.5C	464 119	50	APP / SRD 2.5C	464 119	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

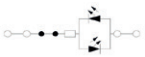
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2.5/20	470 170	10	CS 2.5/20	470 170	10

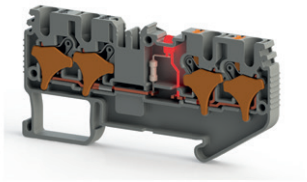
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W			D-NS 5,2x6, SLF-P1 W		

Package Quantity						
	50			50		

PRD 2,5 CLD-48V AC/DC

Width: 5,2 mm





Cat No:

328 179
328 170

Voltage, V ~	Current, A	Cross-Section
48	24	2,5 mm²

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5C	451 189	50

Type	Order No	Qty.
APP / SRD 2.5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

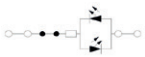
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

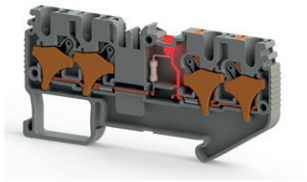
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 CLD-110V AC/DC

Width: 5,2 mm





Cat No:

328 199
328 190

Voltage, V ~	Current, A	Cross-Section
110	24	2,5 mm²

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5C	451 189	50

Type	Order No	Qty.
APP / SRD 2.5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

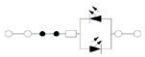
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

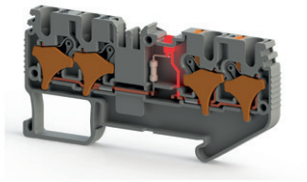
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 CLD-220V AC/DC

Width: 5,2 mm





Cat No:

328 219
328 210

Voltage, V ~	Current, A	Cross-Section
220	24	2,5 mm²

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5C	451 189	50

Type	Order No	Qty.
APP / SRD 2.5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

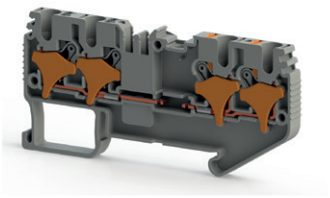
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 C

PRD 2,5 Cx2

Width: 5,2 mm

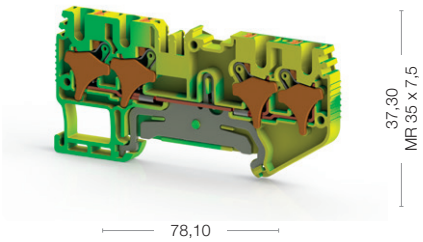


Cat No:

328 149
328 140

PRD 2,5 CT

Width: 5,2 mm



Cat No:

337 640

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	24	2,5 mm²			2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 -4 mm²	0,08 -4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP / SRD 2.5C	451 189	50	NPP / SRD 2.5C	451 182T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP / SRD 2.5C	464 119	50	APP / SRD 2.5C	464 119	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

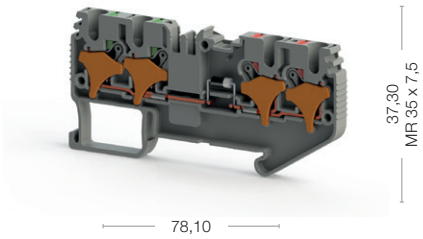
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25			
	CS 2,5/3	470 103	20			
	CS 2,5/4	470 104	15			
	CS 2,5/5	470 105	10			
	CS 2,5/10	470 109	5			
	CS 2.5/20	470 170	10			

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W	D-NS 5,2x6, SLF-P1 W

Package Quantity		
	50	50

PRD 2,5 CD-A

Width: 5,2 mm



Cat No:

328 129
328 120

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5C	451 189	50

Type	Order No	Qty.
APP / SRD 2.5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

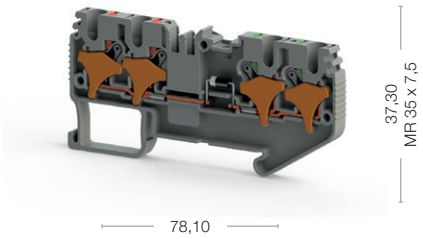
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 CD-B

Width: 5,2 mm



Cat No:

328 139
328 130

Voltage, V ~	Current, A	Cross-Section
800	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 -4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP / SRD 2.5C	451 189	50

Type	Order No	Qty.
APP / SRD 2.5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2.5/20	470 170	10

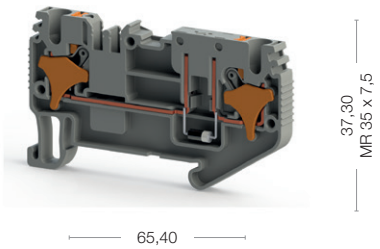
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 A

PRD 2,5 AD-A

Width: 5,2 mm

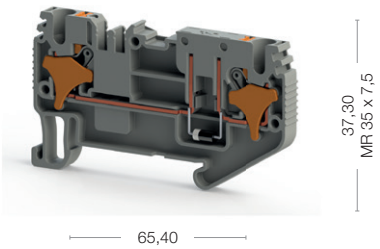


Cat No:

328 249
328 240

PRD 2,5 AD-B

Width: 5,2 mm



Cat No:

328 259
328 250

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	1	2,5 mm²	500	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.			The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage	1000V			1000V		
Diode Current	1 A			1 A		
Diod	1 N 4007			1 N 4007		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5E	451 159	50	NPP/SRD 2,5E	451 159	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5E	464 079	50	APP/SRD 2,5E	464 079	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

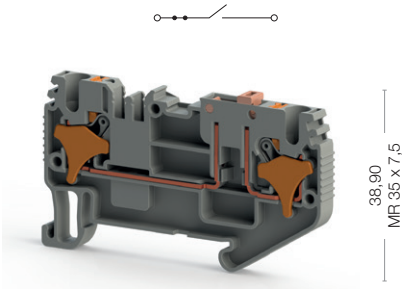
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W			D-NS 5,2x6, SLF-P1 W		

Package Quantity						
	50			50		

PRD 2,5 A

Width: 5,2 mm



Cat No:

328 239
328 230

Voltage, V ~	Current, A	Cross-Section
500	20	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

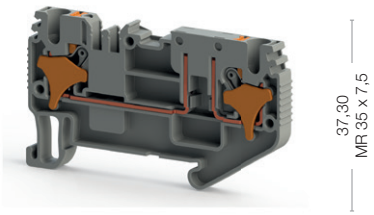
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 AK

Width: 5,2 mm



Cat No:

328 269
328 260

Voltage, V ~	Current, A	Cross-Section
500	20	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5E	451 159	50

Type	Order No	Qty.
APP/SRD 2,5E	464 079	50

Type	Order No	Qty.
TF Ø2	493 020	5

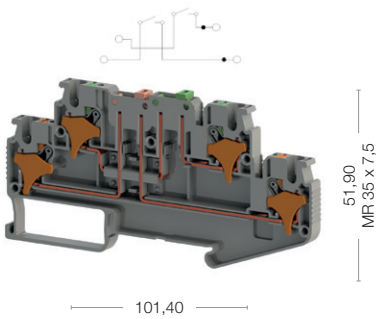
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 AA

Width: 5,2 mm



Cat No:

328 739
328 730

Voltage, V ~	Current, A	Cross-Section
400	20	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/PRD 2,5AA	451 449	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

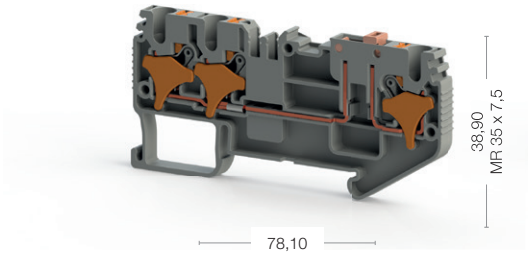
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 EA

PRD 2,5 EA

Width: 5,2 mm

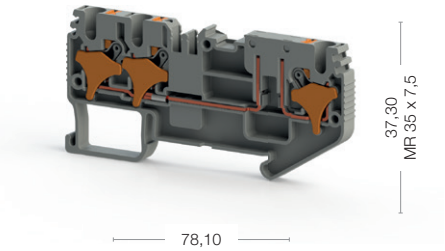


Cat No:

328 279
328 270

PRD 2,5 EAK

Width: 5,2 mm



Cat No:

328 309
328 300

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	20	2,5 mm²	500	20	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5C	451 189	50	NPP/SRD 2,5C	451 189	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5C	464 119	50	APP/SRD 2,5C	464 119	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

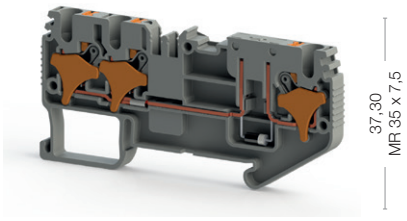
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W			D-NS 5,2x6, SLF-P1 W		

Package Quantity						
	50			50		

PRD 2,5 EAD-A

Width: 5,2 mm



Cat No:

328 289
328 280

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

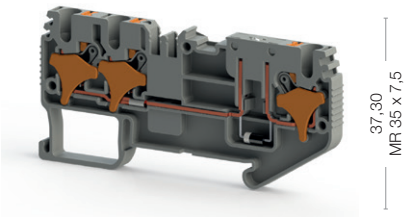
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 EAD-B

Width: 5,2 mm



Cat No:

328 299
328 290

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5C	451 189	50

Type	Order No	Qty.
APP/SRD 2,5C	464 119	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

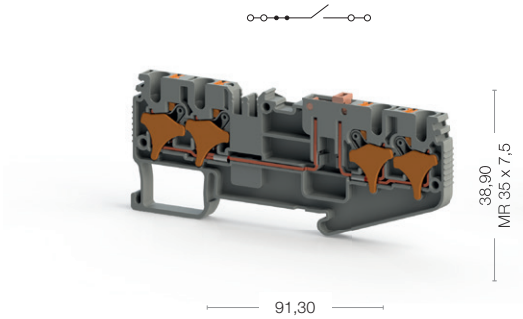
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 CA

PRD 2,5 CA

Width: 5,2 mm

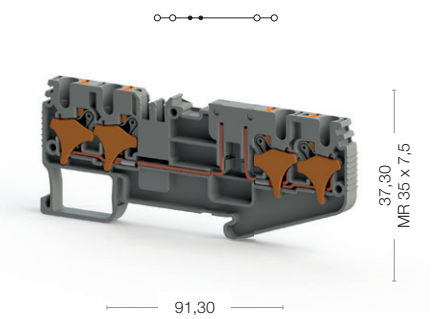


Cat No:

328 319
328 310

PRD 2,5 CAK

Width: 5,2 mm



Cat No:

328 349
328 340

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	20	2,5 mm²	500	20	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 2,5CA	451 169	50	NPP/SRD 2,5CA	451 169	50

Partition Plate



Type	Order No	Qty.	Type	Order No	Qty.
APP/SRD 2,5CA	464 089	50	APP/SRD 2,5CA	464 089	50

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



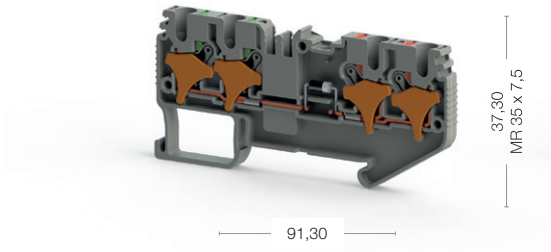
Type	Order No	Qty.	Type	Order No	Qty.
CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P1 W	D-NS 5,2x6, SLF-P1 W

Package Quantity		
	50	50

PRD 2,5 CAD-A

Width: 5,2 mm



Cat No:

328 329
328 320

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5CA	451 169	50

Type	Order No	Qty.
APP/SRD 2,5CA	464 089	50

Type	Order No	Qty.
TF Ø2	493 020	5

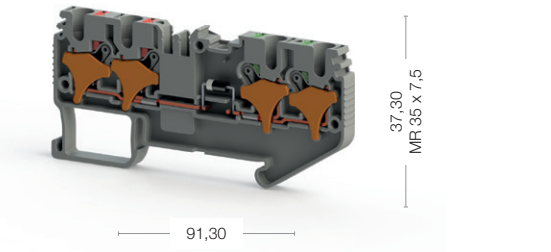
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5 CAD-B

Width: 5,2 mm



Cat No:

328 339
328 330

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5CA	451 169	50

Type	Order No	Qty.
APP/SRD 2,5CA	464 089	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

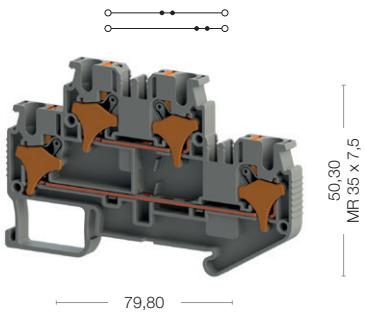
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P1 W

50

PRD 2,5-2F

PRD 2,5-2F

Width: 5,2 mm

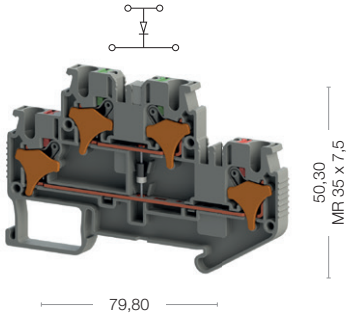


Cat No:

328 359 328 351
328 350

PRD 2,5-2FD-A

Width: 5,2 mm



Cat No:

328 369
328 360

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)				The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data					
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²	
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²	
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²	
AWG Conductor	28-12			28-12	
Insulation Stripping Length (min.-max.)	8-10			8-10	
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)	

Technical Data For Diode					
Diode Reverse Voltage				1000V	
Diode Current				1 A	
Diod				1 N 4007	

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

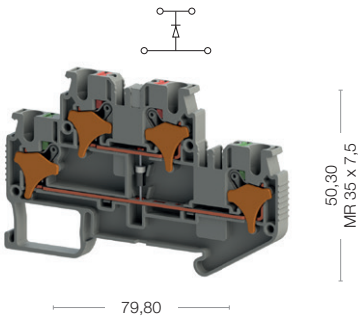
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data					
Rated Impulse Voltage / Pollution severity	6/3			6/3	
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3	
Protection class / Protection conductor type	IP20/NA			IP20/NA	
Marking Tags (Dekafix)					
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	

Package Quantity					
	50			25	

PRD 2,5-2FD-B

Width: 5,2 mm



Cat No:

328 379
328 370

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

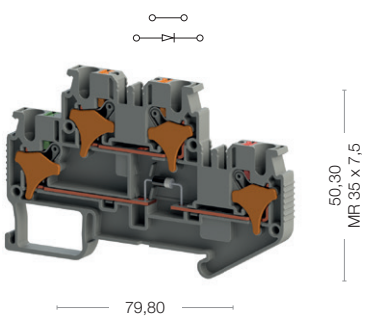
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

25

PRD 2,5-2FD-L

Width: 5,2 mm



Cat No:

328 399
328 390

Voltage, V ~	Current, A	Cross-Section
500	24/1	2,5 mm²

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

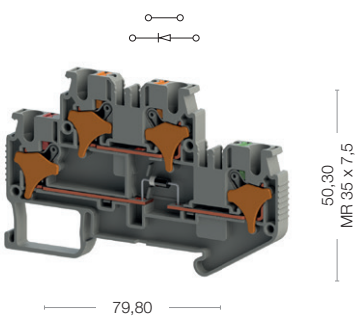
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

25

PRD 2,5-2FD-R

Width: 5,2 mm



Cat No:

328 389
328 380

Voltage, V ~	Current, A	Cross-Section
500	24/1	2,5 mm²

The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

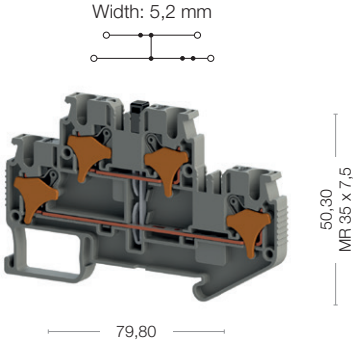
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

25

PRD 2,5-2F

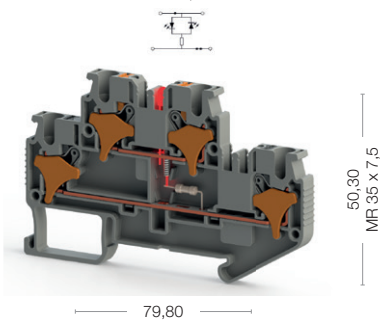
PRD 2,5-2FK

Width: 5,2 mm



PRD 2,5-2FLD-24V AC/DC

Width: 5,2 mm



Cat No:

328 519
328 510

Cat No:

328 419
328 410

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	24	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

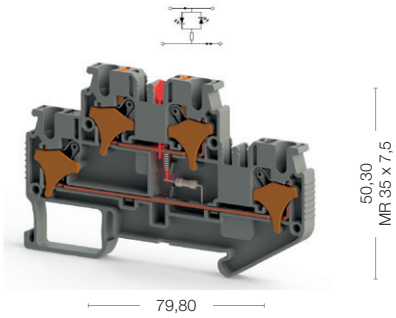
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			25		

PRD 2,5-2FLD-48V AC/DC

Width: 5,2 mm



Cat No:

328 429
328 420

Voltage, V ~	Current, A	Cross-Section
48	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

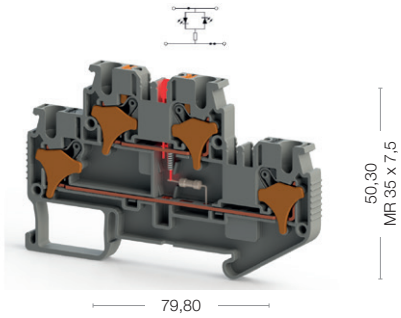
Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm
25

PRD 2,5-2FLD-110V AC/DC

Width: 5,2 mm



Cat No:

328 449
328 440

Voltage, V ~	Current, A	Cross-Section
110	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

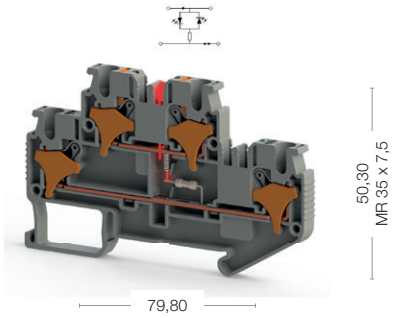
Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm
25

PRD 2,5-2FLD-220V AC/DC

Width: 5,2 mm



Cat No:

328 469
328 460

Voltage, V ~	Current, A	Cross-Section
220	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

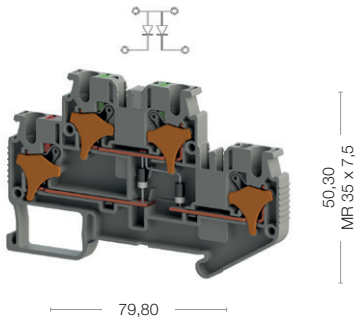
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm
25

PRD 2,5-2F

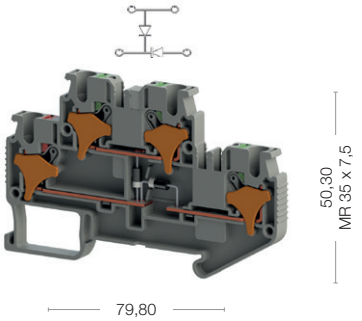
PRD 2,5-F2D-A

Width: 5,2 mm



PRD 2,5-F2D-B

Width: 5,2 mm



Cat No:

328 489
328 480

Cat No:

328 499
328 490

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	1	2,5 mm²	500	1	2,5 mm²
UL						
VDE (IEC 60947-7-1)	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.			The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage	1000V			1000V		
Diode Current	1 A			1 A		
Diod	1 N 4007			1 N 4007		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

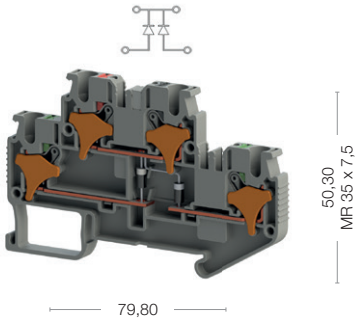
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	25			25		

PRD 2,5-F2D-C

Width: 5,2 mm



Cat No:

328 509
328 500

Voltage, V ~	Current, A	Cross-Section
500	1	2,5 mm²
The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.		

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

1000V
1 A
1 N 4007

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

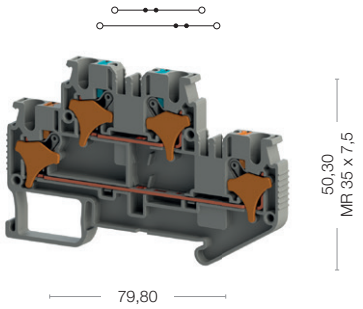
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

25

PRD 2,5-FN

Width: 5,2 mm



Cat No:

328 529
328 520

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 079	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

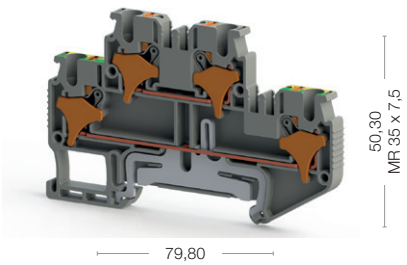
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-FT

PRD 2,5-FT

Width: 5,2 mm

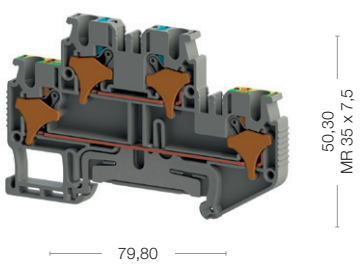


Cat No:

328 539
328 530

PRD 2,5-NT

Width: 5,2 mm



Cat No:

328 549
328 540

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_2F	451 079	50	NPP/SRD 2,5_2F	451 079	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 2,5_2F	464 069	50	APP/SRD 2,5_2F	464 069	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

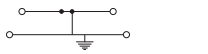
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

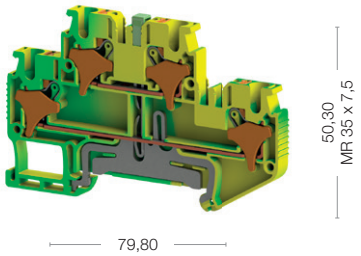
Technical Data						
Rated Impulse Voltage / Pollution severity	6/3			6/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA/PE			IP20/NA/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

PRD 2,5-2T

Width: 5,2 mm





Cat No:

337 650

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_2F	451 072T	50

Type	Order No	Qty.
APP/SRD 2,5_2F	464 069	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

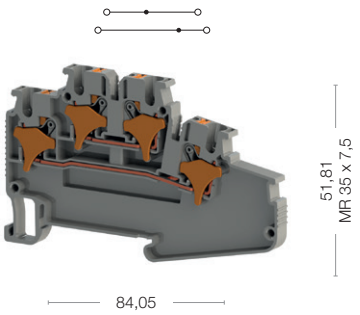
6/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-M2F

PRD 2,5-M2F

Width: 5,2 mm

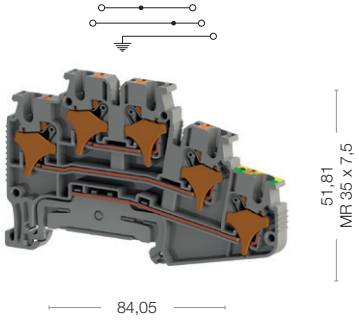


Cat No:

328 749

PRD 2,5-M2FT

Width: 5,2 mm



Cat No:

328 759

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	400	24	2,5 mm²	400	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PRD 2,5-M2F	451 439	50	NPP/PRD 2,5-M2F	451 439	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

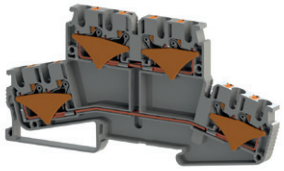
Technical Data						
Rated Impulse Voltage / Pollution severity	4/3			4/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

PRD 2,5-2FC

Width: 5,2 mm





Cat No:

328 769

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/PRD 2,5-2FC	451 479	50

Type	Order No	Qty.
TF Ø2	493 020	5

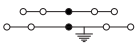
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

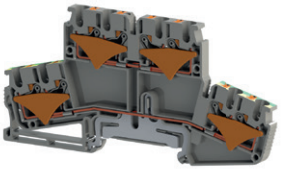
8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-2FCT

Width: 5,2 mm





Cat No:

328 779

Voltage, V ~	Current, A	Cross-Section
800	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/PRD 2,5-2FC	451 479	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

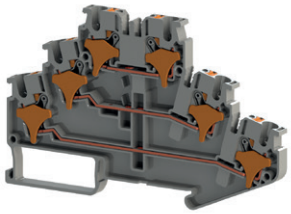
50

PRD 2,5-3F

PRD 2,5-3F

Width: 5,2 mm

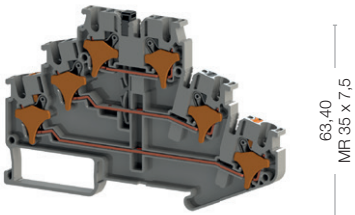




PRD 2,5-2KF

Width: 5,2 mm





Cat No:

328 559 328 551
328 550

Cat No:

328 579
328 570

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	400	24	2,5 mm²	400	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50	NPP/SRD 2,5_3F	451 109	50

Partition Plate

Type	Order No	Qty.	Type	Order No	Qty.

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



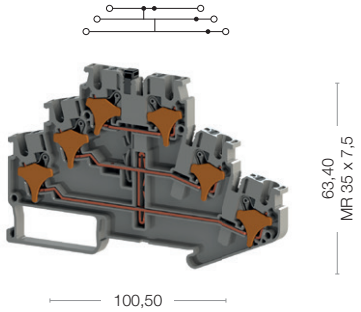
Type	Order No	Qty.	Type	Order No	Qty.
CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	4/3	4/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

PRD 2,5-3FK

Width: 5,2 mm



Cat No:

328 569
328 560

Voltage, V ~	Current, A	Cross-Section
500	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

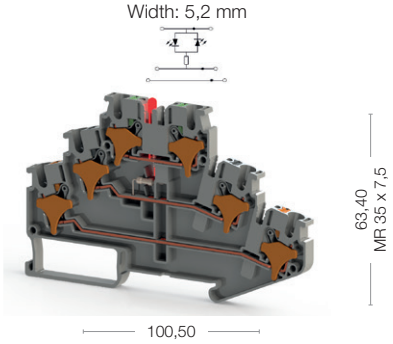
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-3F

PRD 2,5-3FLD-24V AC/DC

Width: 5,2 mm

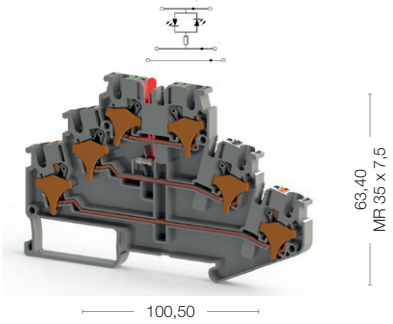


Cat No:

328 699
328 690

PRD 2,5-3FLD-48V AC/DC

Width: 5,2 mm



Cat No:

328 709
328 700

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	24	24	2,5 mm²	48	48	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08 - 4 mm²	0,08 - 4 mm²
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²	0,14 - 2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	28-12	28-12
Insulation Stripping Length (min.-max.)	8-10	8-10
Screwdriver	KT1 (0,4x2,5)	KT1 (0,4x2,5)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50	NPP/SRD 2,5_3F	451 109	50

Partition Plate

Type	Order No	Qty.	Type	Order No	Qty.

Test Plug



Type	Order No	Qty.	Type	Order No	Qty.
TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection



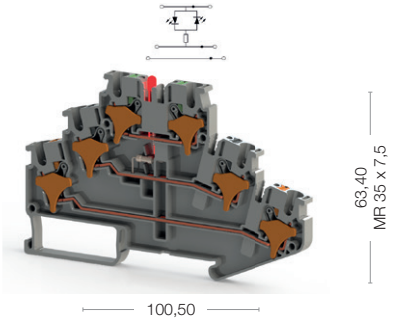
Type	Order No	Qty.	Type	Order No	Qty.
CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data		
Rated Impulse Voltage / Pollution severity	6/3	6/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP20/NA	IP20/NA
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

Package Quantity		
	50	50

PRD 2,5-3FLD-110V AC/DC

Width: 5,2 mm



Cat No:

328 719
328 710

Voltage, V ~	Current, A	Cross-Section
110	110	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

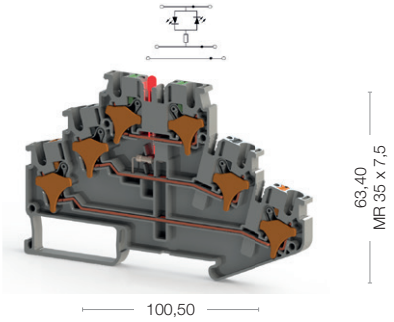
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-3FLD-220V AC/DC

Width: 5,2 mm



Cat No:

328 729
328 720

Voltage, V ~	Current, A	Cross-Section
220	220	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 109	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

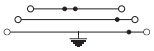
6/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

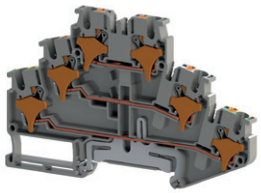
50

PRD 2,5-2FT

PRD 2,5-2FT

Width: 5,2 mm



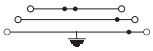


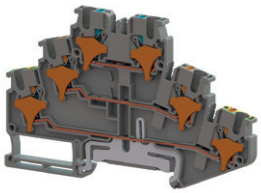
Cat No:

328 669
328 660

PRD 2,5-NFT

Width: 5,2 mm





Cat No:

328 679
328 670

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	500	24	2,5 mm²	500	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5_3F	451 109	50	NPP/SRD 2,5_3F	451 109	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5 /2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

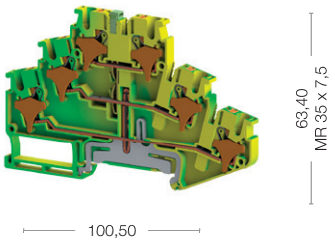
Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA/PE			IP20/NA/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

PRD 2,5-3T

Width: 5,2 mm





Cat No:

337 660

Voltage, V ~	Current, A	Cross-Section
		2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5_3F	451 102T	50

Type	Order No	Qty.

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.

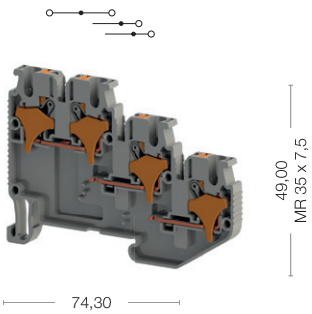
8/3
1/A3
IP20/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-3 S

PRD 2,5-3S

Width: 5,2 mm

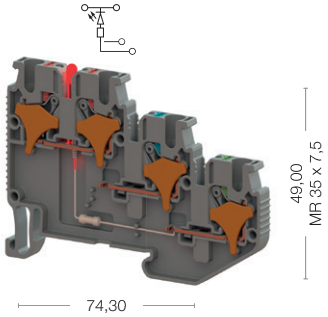


Cat No:

328 629
328 620

PRD 2,5-3SLD-NPN

Width: 5,2 mm



Cat No:

328 639
328 630

CE

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	250	24	2,5 mm²	24	24	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 2,5-3S	451 179	50	NPP/SRD 2,5-3S	451 179	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

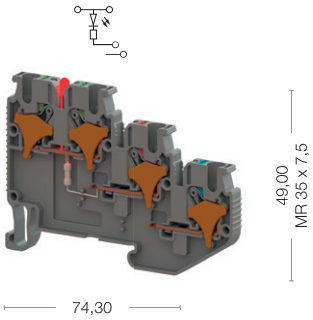
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

PRD 2,5-3SLD-PNP

Width: 5,2 mm



Cat No:

328 649
328 640

Voltage, V ~	Current, A	Cross-Section
24	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5-3S	451 179	50

Type	Order No	Qty.
TF Ø2	493 020	5

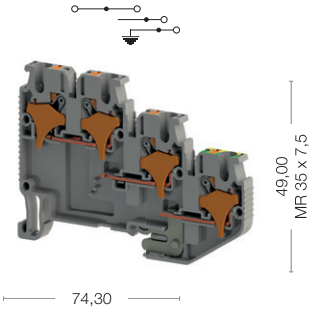
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

8/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-2ST

Width: 5,2 mm



Cat No:

328 659
328 650

Voltage, V ~	Current, A	Cross-Section
250	24	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/SRD 2,5-3S	451 179	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

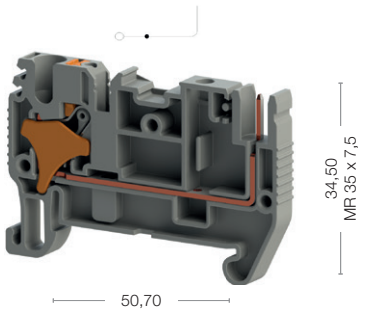
8/3
1/A3
IP20/NA/PE
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5 PC

PRD 2,5-PC

Width: 5,2 mm

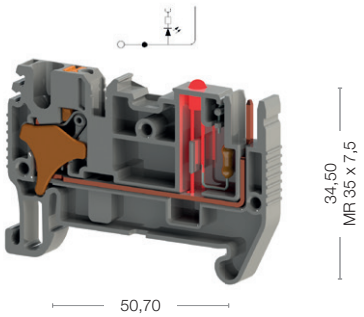


Cat No:

328 789

PRD 2,5-PCLD-24V AC/DC

Width: 5,2 mm



Cat No:

328 819

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	250	10	2,5 mm²	250	10	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 4 mm²			0,08 - 4 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 2,5 mm²			0,14 - 2,5 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²			0,5 mm²		
AWG Conductor	28-12			28-12		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT1 (0,4x2,5)			KT1 (0,4x2,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PRD 2,5 PC	451 459	50	NPP/PRD 2,5 PC	451 459	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

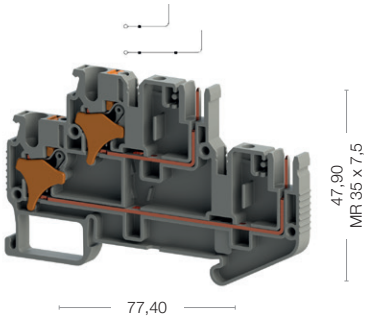
Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 2,5/2	470 102	25	CS 2,5/2	470 102	25
	CS 2,5/3	470 103	20	CS 2,5/3	470 103	20
	CS 2,5/4	470 104	15	CS 2,5/4	470 104	15
	CS 2,5/5	470 105	10	CS 2,5/5	470 105	10
	CS 2,5/10	470 109	5	CS 2,5/10	470 109	5
	CS 2,5/20	470 170	10	CS 2,5/20	470 170	10

Technical Data						
Rated Impulse Voltage / Pollution severity	4/3			4/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3			1/A3		
Protection class / Protection conductor type	IP20/NA			IP20/NA		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm			D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm		

Package Quantity						
	50			50		

PRD 2,5-2FPC

Width: 5,2 mm



Cat No:

328 799

Voltage, V ~	Current, A	Cross-Section
250	10	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/PRD 2,5-2 FPC	451 469	50

Type	Order No	Qty.
TF Ø2	493 020	5

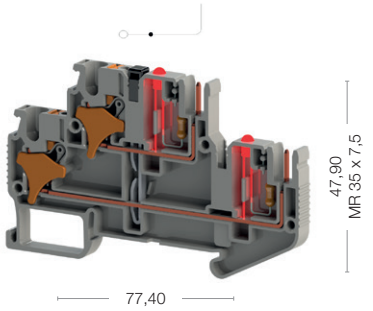
Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

4/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

50

PRD 2,5-2FPCLD-24 V AC/DC

Width: 5,2 mm



Cat No:

328 829

Voltage, V ~	Current, A	Cross-Section
250	10	2,5 mm²

0,08 - 4 mm²
0,14 - 2,5 mm²
0,5 mm²
28-12
8-10
KT1 (0,4x2,5)

Type	Order No	Qty.
NPP/PRD 2,5-2 FPC	451 469	50

Type	Order No	Qty.
TF Ø2	493 020	5

Type	Order No	Qty.
CS 2,5/2	470 102	25
CS 2,5/3	470 103	20
CS 2,5/4	470 104	15
CS 2,5/5	470 105	10
CS 2,5/10	470 109	5
CS 2,5/20	470 170	10

4/3
1/A3
IP20/NA
D-NS 5,2x6, SLF-P2 W, KCSLF-W 4,9x100mm

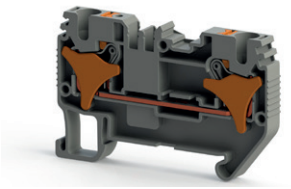
25

PRD 4

Coming Soon...

PRD 4

Width: 6,2 mm

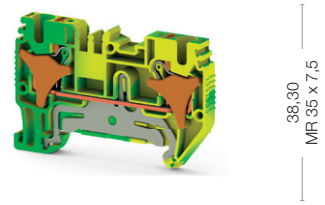


Cat No:

329 009
329 000

PRD 4T

Width: 6,2 mm



Cat No:

337 670

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	800	32	4 mm²			4 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,08 - 6 mm²			0,08 - 6 mm²		
Conductor cross section stranded (min.-max.)	0,14 - 4 mm²			0,14 - 4 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1 mm²			1 mm²		
AWG Conductor	28-10			28-10		
Insulation Stripping Length (min.-max.)	8-10			8-10		
Screwdriver	KT3 (0,6x3,5)			KT3 (0,6x3,5)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/SRD 4	451 239	50	NPP/SRD 4	451 232T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/SRD 4	464 149	50	APP/SRD 4	464 149	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2	493 020	5	TF Ø2	493 020	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 4/2	470 112	25			
	CS 4/3	470 113	20			
	CS 4/4	470 114	15			
	CS 4/5	470 115	10			
	CS 4/10	470 119	5			
	CS 4/20	470 180	10			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A4			1/A4		
Protection class / Protection conductor type	IP20/NA			IP20/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 6,2x6, SLF-P1 W			D-NS 6,2x6, SLF-P1 W		

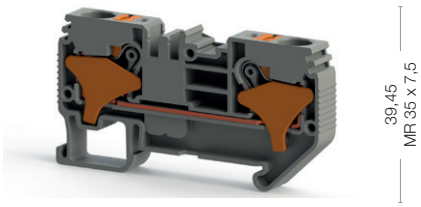
Package Quantity						
	50			50		

PRD 6

Coming Soon...

PRD 6

Width: 8 mm

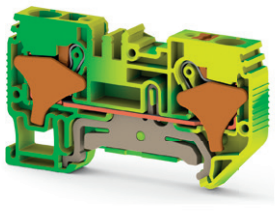


Cat No:

329 589
329 580

PRD 6T

Width: 8 mm



Cat No:

337 710

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	1000	41	6 mm²			6 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data						
Conductor cross section solid (min-max.)	0,2 - 10 mm²			0,2 - 10 mm²		
Conductor cross section stranded (min.-max.)	0,2 - 6 mm²			0,2 - 6 mm²		
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	1,5 mm²			1,5 mm²		
AWG Conductor	24-8			24-8		
Insulation Stripping Length (min.-max.)	10-12			10-12		
Screwdriver	KT4 (0,8x4,0)			KT4 (0,8x4,0)		

Technical Data For Diode						
Diode Reverse Voltage						
Diode Current						
Diod						

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PRD 6	451 489	50	NPP/PRD 6	451 482T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/PRD 6	464 239	50	APP/PRD 6	464 239	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2,3	493 023	5	TF Ø2,3	493 023	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 6/2	470 122	25			
	CS 6/3	470 123	20			
	CS 6/4	470 124	15			
	CS 6/5	470 125	10			
	CS 6/10	470 129	5			

Technical Data						
Rated Impulse Voltage / Pollution severity	8/3			8/3		
Insulation material group / Gauge pin code according to IEC 60947-1	1/A5			1/A5		
Protection class / Protection conductor type	IP20/NA			IP20/PE		
Marking Tags (Dekafix)						
See pages 326-333 for a list of Dekafix	D-NS 8x10, SLF-P1 W, DG 10/8			D-NS 8x10, SLF-P1 W, DG 10/8		

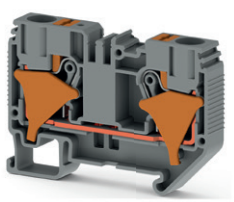
Package Quantity						
	50			50		

PRD 10

Coming Soon...

PRD 10

Width: 10 mm

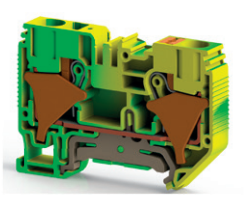


Cat No:

329 659
329 650

PRD 10T

Width: 10 mm



Cat No:

337 730

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
IEC (EN 60947-7-1/EN 60947-7-2)	1000	57	10 mm²			10 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2 - 16 mm²	0,2 - 16 mm²
Conductor cross section stranded (min.-max.)	0,2 - 10 mm²	0,2 - 10 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	2,5 mm²	2,5 mm²
AWG Conductor	24-6	24-6
Insulation Stripping Length (min.-max.)	16-18	16-18
Screwdriver	KT4 (0,8x4,0)	KT4 (0,8x4,0)

Technical Data For Diode		
Diode Reverse Voltage		
Diode Current		
Diod		

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/PRD 10	451 509	50	NPP/PRD 10	451 502T	50

Partition Plate	Type	Order No	Qty.	Type	Order No	Qty.
	APP/PRD 10	464 259	50	APP/PRD 10	464 259	50

Test Plug	Type	Order No	Qty.	Type	Order No	Qty.
	TF Ø2,3	493 023	5	TF Ø2,3	493 023	5

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	CS 10/2	470 132	25			
	CS 10/3	470 133	20			
	CS 10/4	470 134	15			
	CS 10/5	470 135	10			
	CS 10/10	470 139	5			

Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A6	1/A6
Protection class / Protection conductor type	IP20/NA	IP20/PE
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 10x10, SLF-P1 W, DG 10/10	D-NS 10x10, SLF-P1 W, DG 10/10

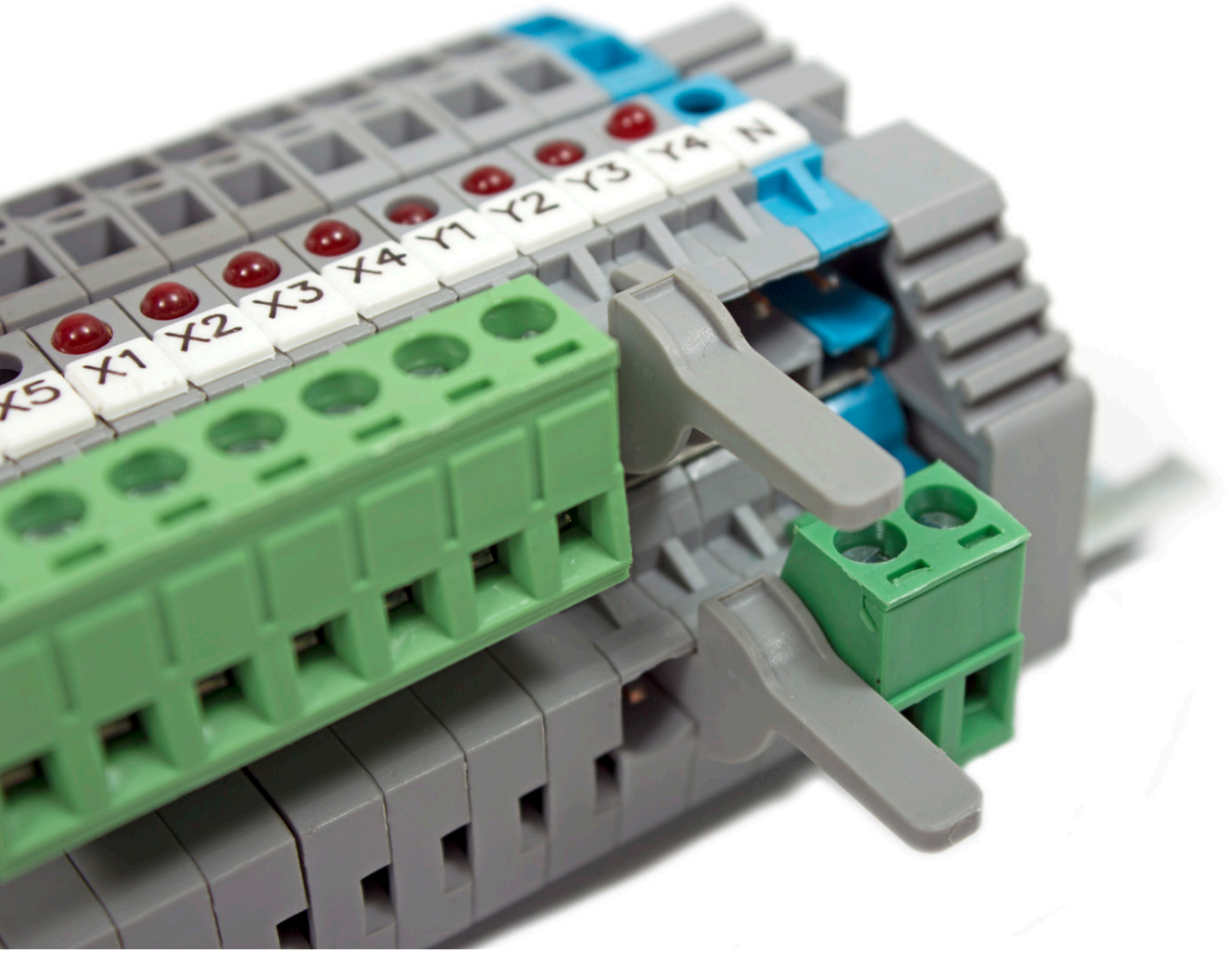
Package Quantity		
	50	50

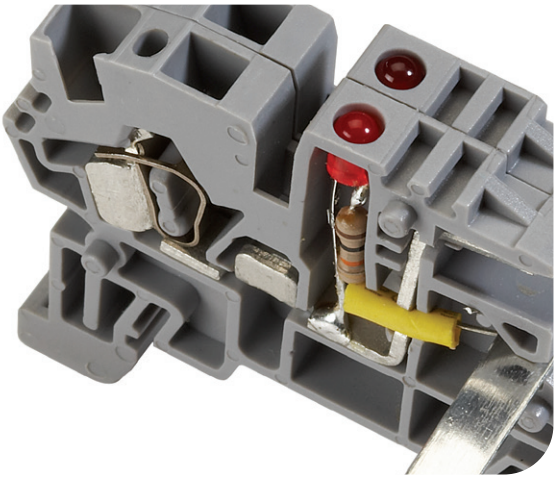


Klemsan 50th ANNIVERSARY

PCY Series Terminals

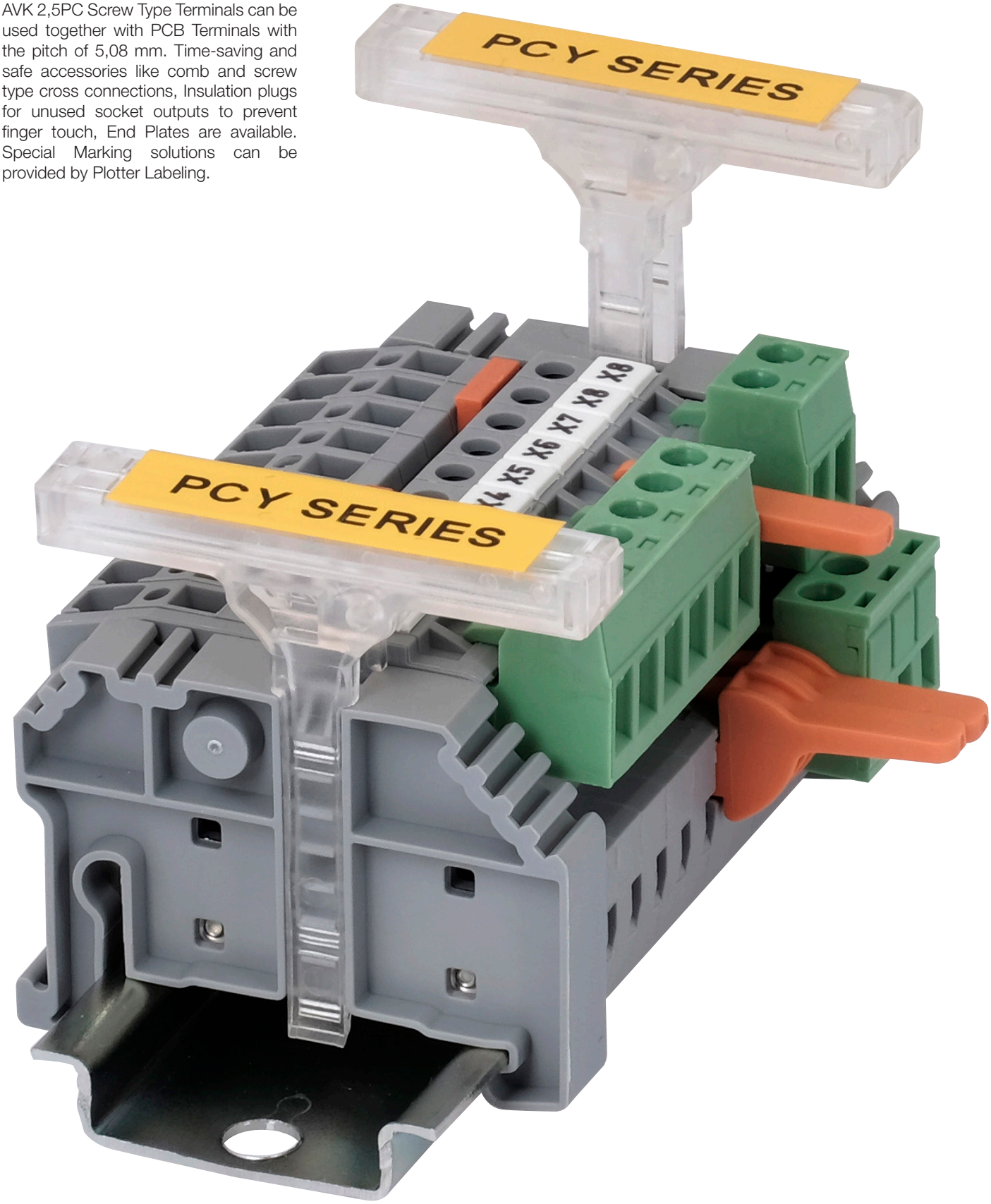
PCY Series Spring Clamp Type Terminals can be used together with PCB Terminals with the pitch of 5,08 mm. LED terminal can be selected according to specified operating voltage of the product. Time-saving and safe accessories like push-in cross connections, Insulation plugs for unused socket outputs to prevent finger touch, End Plates are available. Special Marking solutions can be provided by Plotter Labeling.





AVK 2,5 PC Series Terminals

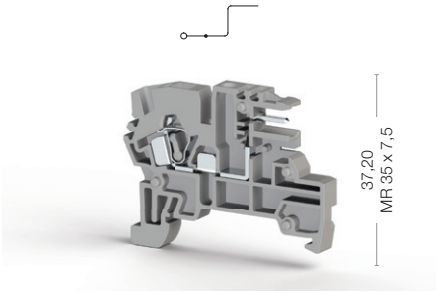
AVK 2,5PC Screw Type Terminals can be used together with PCB Terminals with the pitch of 5,08 mm. Time-saving and safe accessories like comb and screw type cross connections, Insulation plugs for unused socket outputs to prevent finger touch, End Plates are available. Special Marking solutions can be provided by Plotter Labeling.



PCY Type Terminals for PCB Connection

PCY 2,5

Width: 5,05 mm

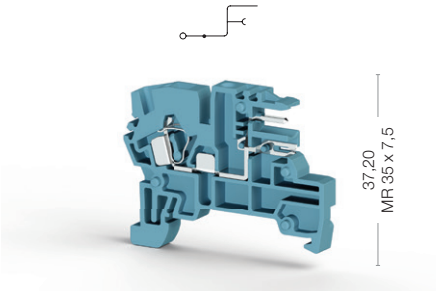


Cat No:

364 019
364 010

PCY 2,5 N

Width: 5,05 mm



Cat No:

364 080

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	250	10	2,5 mm²	250	10	2,5 mm²
UL	300	10	AWG 22-12	300	10	AWG 22-12
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,08-4 mm²	0,08-4 mm²
Conductor cross section stranded (min.-max.)	0,08-2,5 mm²	0,08-2,5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5 mm²	0,5 mm²
AWG Conductor	AWG 28-12	AWG 28-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	KTD 2 (0,5x3,0)	KTD 2 (0,5x3,0)

Ordering Data

End Plate



Type	Order No	Qty.	Type	Order No	Qty.
NPP/PCY 2,5	450 199	100	NPP/PCY 2,5 N	450 191	100

Isolation Cover



	Type	Order No	Qty.	Type	Order No	Qty.
Grey	PCY IT	423 099	50	PCY IT	423 099	50
Beige	PCY IT	423 090	50	PCY IT	423 090	50
Orange	PCY IT	423 097	50	PCY IT	423 097	50

Push-in Cross Connection



Type	Order No	Qty.	Type	Order No	Qty.
UK 2,5/2	476 222	25	UK 2,5/2	476 222	25
UK 2,5/3	476 223	20	UK 2,5/3	476 223	20
UK 2,5/4	476 224	15	UK 2,5/4	476 224	15
UK 2,5/10	476 229	5	UK 2,5/10	476 229	5

Neutral Bus Bar



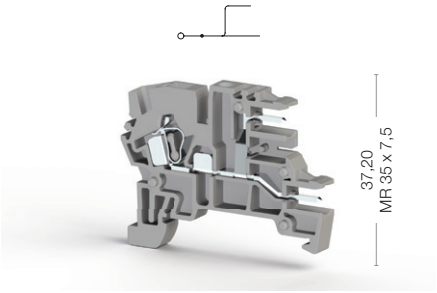
Type	Order No	Qty.
PCY NS	525 400	25

Technical Data		
Rated Impulse Voltage / Pollution severity	4/3	4/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x6, DB 5, DG 6/5	D-NS 5x6, DB 5, DG 6/5

Package Quantity		
	100 pcs.	100 pcs.

PCY 2,5 E

Width: 5,05 mm



Cat No:

364 059
364 050

Voltage, V ~	Current, A	Cross-Section
250	10	2,5 mm²
300	10	AWG 22-12

0,08-4 mm²
0,08-2,5 mm²
0,5 mm²
AWG 28-12
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
NPP/PCY 2,5	450 199	100

Type	Order No	Qty.
PCY IT	423 099	50
PCY IT	423 090	50
PCY IT	423 097	50

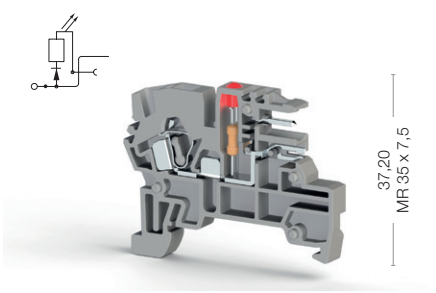
Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5

4/3
1/A3
IP 20 / -
D-NS 5x6, DB 5, DG 6/5

100 pcs.

PCY 2,5 L

Width: 5,05 mm



Cat No:

364 029
364 020

Voltage, V ~	Current, A	Cross-Section
	10	2,5 mm²
	10	AWG 22-12

0,08-4 mm²
0,08-2,5 mm²
0,5 mm²
AWG 28-12
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
PCY 2,5 L (24V DC)	364 029	50
PCY 2,5 L (110V DC)	364 033	50
PCY 2,5 L (220V DC)	364 035	50

Type	Order No	Qty.
NPP/PCY 2,5	450 199	100

Type	Order No	Qty.
PCY IT	423 099	50
PCY IT	423 090	50
PCY IT	423 097	50

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5

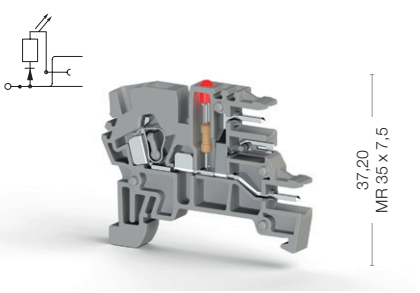
Type	Order No	Qty.
PCY NS	525 400	25

4/3
1/A3
IP 20 / -
D-NS 5x6, DB 5, DG 6/5

50 pcs.

PCY 2,5 EL

Width: 5,05 mm



Cat No:

364 069
364 060

Voltage, V ~	Current, A	Cross-Section
	10	2,5 mm²
	10	AWG 22-12

0,08-4 mm²
0,08-2,5 mm²
0,5 mm²
AWG 28-12
9-10 mm
KTD 2 (0,5x3,0)

Type	Order No	Qty.
PCY 2,5 EL (24V DC)	364 069	50
PCY 2,5 EL (110V DC)	364 073	50
PCY 2,5 EL (220V DC)	364 075	50

Type	Order No	Qty.
NPP/PCY 2,5	450 199	100

Type	Order No	Qty.
PCY IT	423 099	50
PCY IT	423 090	50
PCY IT	423 097	50

Type	Order No	Qty.
UK 2,5/2	476 222	25
UK 2,5/3	476 223	20
UK 2,5/4	476 224	15
UK 2,5/10	476 229	5

Type	Order No	Qty.
PCY NS	525 400	25

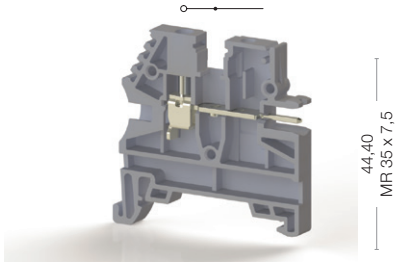
4/3
1/A3
IP 20 / -
D-NS 5x6, DB 5, DG 6/5

50 pcs.

Screw Type Terminal Blocks for PCB Connection

AVK 2,5 PC

Width: 5,08 mm

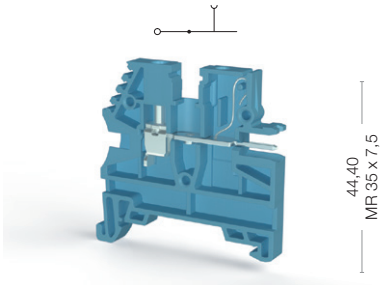


Cat No:

304 610
304 609

AVK 2,5 PCN

Width: 5,08 mm



Cat No:

304 621

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1)	250	12	2,5 mm²	250	12	2,5 mm²
UL						
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-4 mm²	0,2-4 mm²
Conductor cross section stranded (min.-max.)	0,2-4 mm²	0,2-4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve	0,5-1,5 mm²	0,5-1,5 mm²
AWG Conductor	AWG 24-12	AWG 24-12
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

End Plate	Type	Order No	Qty.	Type	Order No	Qty.
	NPP/AVK 2,5-10	444 120	100	NPP/AVK 2,5-10	444 120	100

Insulation Cover		Type	Order No	Qty.	Type	Order No	Qty.
	Grey	PCY IT	423 099	50	PCY IT	423 099	50
	Beige	PCY IT	423 090	50	PCY IT	423 090	50
	Orange	PCY IT	423 097	50	PCY IT	423 097	50

Cross Connection	Type	Order No	Qty.	Type	Order No	Qty.
	UK 2,5/2	474 122	25	UK 2,5/2	474 122	25
	UK 2,5/3	474 123	20	UK 2,5/3	474 123	20
	UK 2,5/4	474 124	15	UK 2,5/4	474 124	15
	UK 2,5/10	474 129	5	UK 2,5/10	474 129	5
	UK 2,5/50	474 210	20	UK 2,5/50	474 210	20

Comb Connector	Type	Order No	Qty.	Type	Order No	Qty.
	TKO 2,5/2	476 262	25	TKO 2,5/2	476 262	25
	TKO 2,5/3	476 263	20	TKO 2,5/3	476 263	20
	TKO 2,5/4	476 264	15	TKO 2,5/4	476 264	15
	TKO 2,5/10	476 269	5	TKO 2,5/10	476 269	5

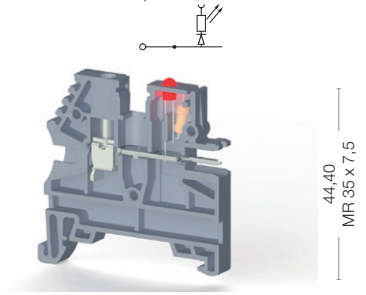
Neutral Busbar	Type	Order No	Qty.	Type	Order No	Qty.
	PCY NS	525 400	25	PCY NS	525 400	25

Technical Data		
Rated Impulse Voltage / Pollution severity	4/3	4/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/A3	1/A3
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T	D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

Package Quantity		
	100 pcs.	100 pcs.

AVK 2,5 PCLD/24VDC

Width: 5,08 mm



42,70

Cat No:

304 630
304 639

Voltage, V ~	Current, A	Cross-Section
24	12	2,5 mm²

0,2-4 mm²
0,2-4 mm²
0,5-1,5 mm²
AWG 24-12
9-10 mm
IKTD 3 (0,6x3,5)

Type	Order No	Qty.
NPP/AVK 2,5-10	444 120	100

Type	Order No	Qty.
PCY IT	423 099	50
PCY IT	423 090	50
PCY IT	423 097	50

Type	Order No	Qty.
UK 2,5/2	474 122	25
UK 2,5/3	474 123	20
UK 2,5/4	474 124	15
UK 2,5/10	474 129	5
UK 2,5/50	474 210	20

Type	Order No	Qty.
TKO 2,5/2	476 262	25
TKO 2,5/3	476 263	20
TKO 2,5/4	476 264	15
TKO 2,5/10	476 269	5

Type	Order No	Qty.
PCY NS	525 400	25

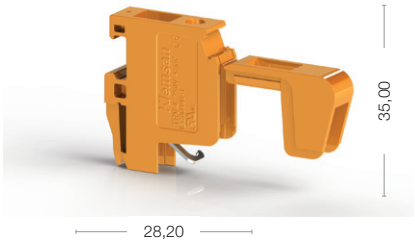
4/3
1/A3
IP 20 / -
D-NS 5x10, DB 10/5, DG 10/5, DG 10/5T

100 pcs.

Transformer Terminals Blocks

TRV 4

Width: 7,5 mm

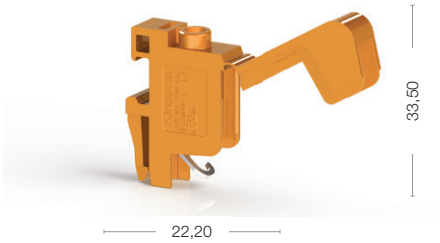


Cat No:

422 017

TRV 4 B

Width: 7,5 mm



Cat No:

422 057

Electrical Ratings	Voltage, V ~	Current, A	Cross-Section	Voltage, V ~	Current, A	Cross-Section
CE (EN 60947-7-1 - EN 60947-7-2)	750	25	4 mm²	750	25	4 mm²
UL	600	20	AWG 26-10	600	20	AWG 26-10
VDE (IEC 60947-7-1)						
CSA						
ATEX						

Connection Data		
Conductor cross section solid (min-max.)	0,2-6 mm²	0,2-6 mm²
Conductor cross section stranded (min.-max.)	0,2-6 mm²	0,2-6 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, (min-max.)	0,5-2,5 mm²	0,5-2,5 mm²
AWG Conductor	AWG 24-10	AWG 24-10
Insulation Stripping Length (min.-max.)	9-10 mm	9-10 mm
Torque (min-max.)	0,5-0,8 Nm	0,5-0,8 Nm
Screwdriver	IKTD 3 (0,6x3,5)	IKTD 3 (0,6x3,5)

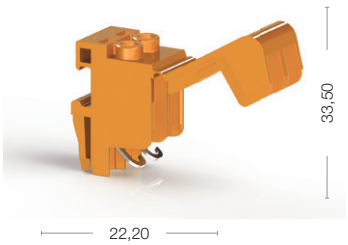
Technical Data		
Rated Impulse Voltage / Pollution severity	8/3	8/3
Insulation material group / Gauge pin code according to IEC 60947-1	1/B4	1/A4
Protection class / Protection conductor type	IP 20 / -	IP 20 / -
Marking Tags (Dekafix)		
See pages 326-333 for a list of Dekafix	DB 7,5x4,5, DG 7/5, D-NS 7x5	DB 7,5x4,5, DG 7/5, D-NS 7x5

Package Quantity		
	50 pcs.	50 pcs.

Color			
Color code is the last digit of the order number			
Grey	Green- Yellow	Orange	Beige
304 119	60	17	10

TRV 4 M

Width: 15 mm



Cat No:

422 047

Voltage, V ~	Current, A	Cross-Section
750	25	4 mm²
600	20	AWG 26-10

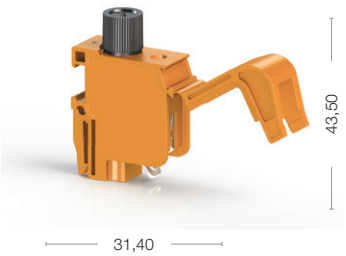
0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

8/3
1/B4
IP 20 / -
DB 7,5x4,5, DG 7/5, D-NS 7x5

50 pcs.

TRV 4 S

Width: 12,50 mm



Cat No:

422 027

Voltage, V ~	Current, A	Cross-Section
500	10	4 mm²
300	10	AWG 26-10

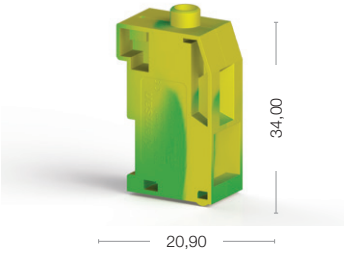
0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

8/3
1/B4
IP 20 / -
D-NS 5x6, DB 5, DB 7,5x4,5, DG 6/5, D-NS 7x5

50 pcs.

TRV 4 T

Width: 12 mm



Cat No:

422 060

Voltage, V ~	Current, A	Cross-Section
		4 mm²
		AWG 26-10

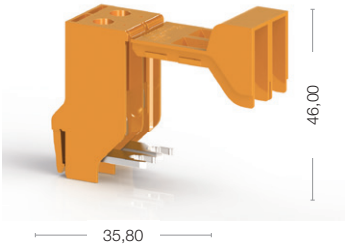
0,2-6 mm²
0,2-6 mm²
0,5-2,5 mm²
AWG 24-10
9-10 mm
0,5-0,8 Nm
IKTD 3 (0,6x3,5)

8/3
1/B4
IP 20 / -
DB 7,5x4,5, DG 7/5, D-NS 7x5

50 pcs.

TRV 10

Width: 22 mm



Cat No:

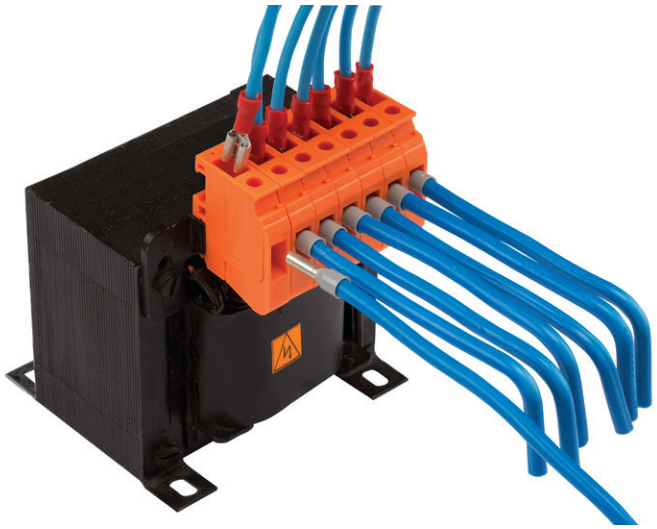
422 037

Voltage, V ~	Current, A	Cross-Section
750	63	10 mm²
600	55	AWG 16-6

0,5-16 mm²
0,5-16 mm²
0,5-6 mm²
AWG 20-6
11-12 mm
1,2-1,8 Nm
IKTD 4 (0,8x40)

8/3
1/B6
IP 20 / -
DB 7,5x4,5, DG 7/5, D-NS 7x5

25 pcs.

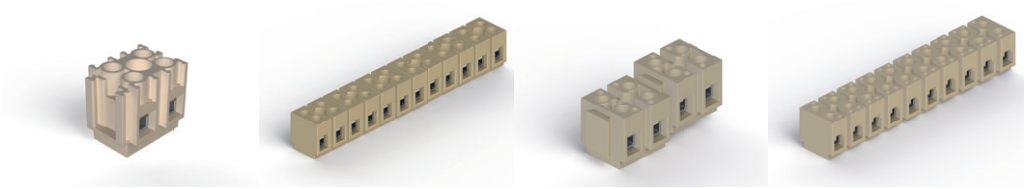


Color			
Color code is the last digit of the order number			
Grey	Green- Yellow	Orange	Beige
304 119	60	17	10

Terminals Strips

- The product in the figure is the new psk 1/2 terminal strip.
- For allowing marking, label slots are designed according to DB 5 and DG 6/5 Marking Tags (Dekafix)
- Assembly of the terminal should be made with maximum 3 mm Width screw.

PSK 1/2	PSK 1/12	PSK 2/2	PSK 2/10
420 020	420 120	421 020	421 100

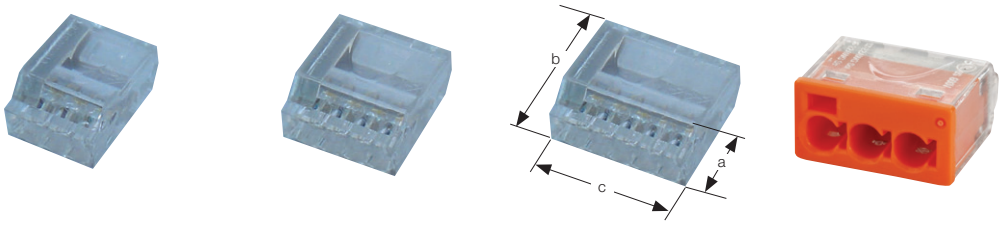


Electrical Ratings	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section
TSE (EN 60998-2-1)	400 V ~ / 24 A / 2,5 mm²	400 V ~ / 24 A / 2,5 mm²	660 V ~ / 41 A / 6 mm²	660 V ~ / 41 A / 6 mm²
Insulation Stripping Length (min.-max.)	5 mm	5 mm	9 mm	9 mm
Torque	0,4 - 0,6 Nm	0,4 - 0,6 Nm	0,5 - 0,8 Nm	0,5 - 0,8 Nm
Qty.				
	100	100	100	20
Screwdriver				
	IKT3 (0,6x3,5)			

Junction Box Terminals

- Suitable for 1,5 - 2,5 mm² solid strand cables
- Cage clamp connection
- One-point test
- Disassembling by turning the cable left

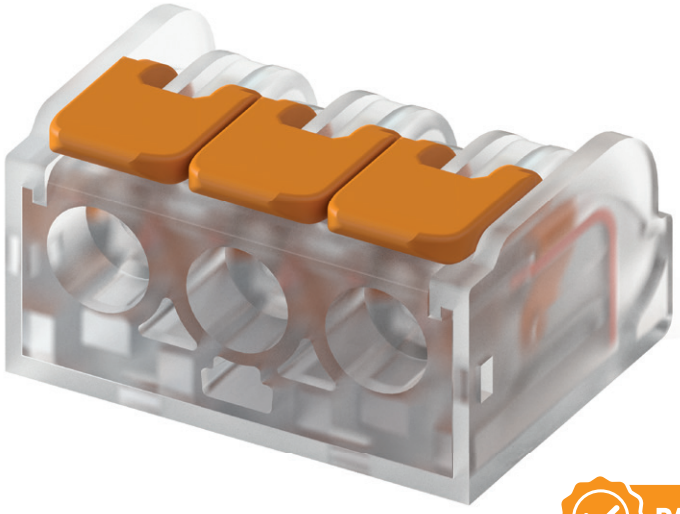
BUK 2,5/3	BUK 2,5/4	BUK 2,5/5	BUK 4/3
425 235	425 245	425 255	425 350



Electrical Ratings	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section	Voltage / Current / Cross-Section
IEC 60998-1, IEC 60998-2-1 (VDE)	450 V ~ / 24 A / 2,5 mm²	450 V ~ / 24 A / 2,5 mm²	450 V ~ / 24 A / 2,5 mm²	450 V ~ / 32 A / 4 mm²
Connection Data				
Solid Strand	1,0 - 2,5 mm²	1,0 - 2,5 mm²	1,0 - 2,5 mm²	0,5 - 4 mm²
Insulation Stripping Length (min.-max.)	7 mm	7 mm	7 mm	11 mm
AWG Conductor	22 ... 12	22 ... 12	22 ... 12	22...16
Dimensions				
a	9,4	9,4	9,4	10
b	19,4	19,4	19,4	19,2
c	13,8	17,6	21,1	19,1
Qty.				
	100	100	100	50

MPB Series Junction Box Terminals

- Wire cross-section is 4 mm²
- Available in 2, 3 and 5 pole versions
- Thanks to its lever enclosure, it provides an easy connection for wire installation without any tools
- It saves time thanks to push-in connection
- Wire stripping length can be adjusted thanks to the discharge opening at the back of the enclosure



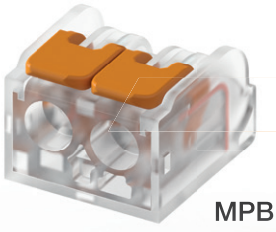
PATENTED

MPB 4/3

425 530

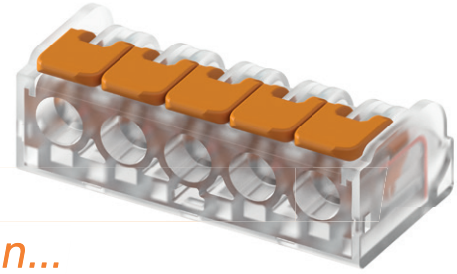
Electrical Data		
Nominal Current	32 A	
Nominal Voltage	450 V	
Continuous Operating Temp. Max.	105 °C	
Connection Data		
Solid Conductor	0,08 - 4 mm²	28 - 12 AWG
Stranded Conductor	0,14 - 2,5 mm²	26 - 14 AWG
Stranded Sleeve Conductor	0,14 - 2,5 mm²	26 - 14 AWG
Stripping Length	11 mm	0.43 in.

FAST, SAFE and EASY



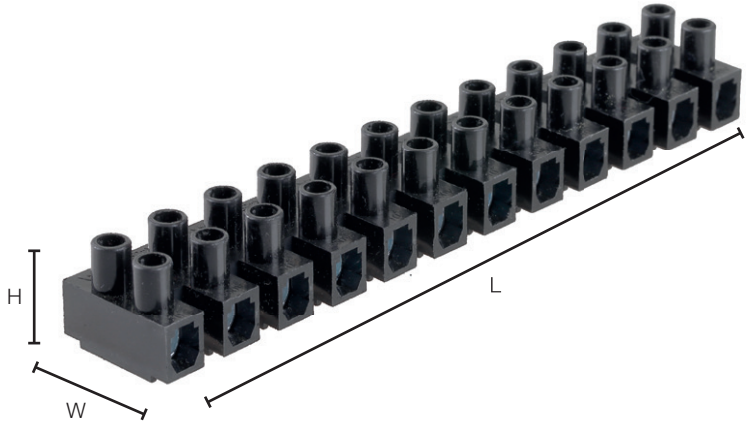
MPB 4/2

Coming Soon...

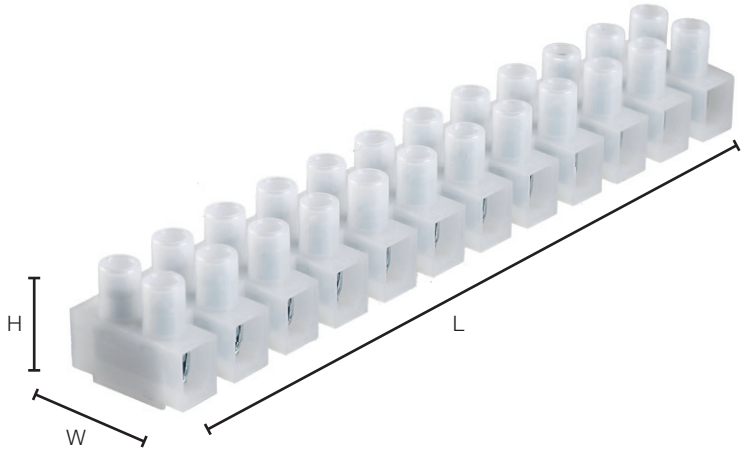


MPB 4/5

Terminal Strips

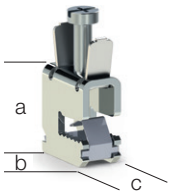


	SK 1	SK 2	SK 3	SK 4
	430 002	430 012	430 022	430 032
Electrical Ratings	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**
IEC 60998-1, IEC 60998-2 (VDE)	450 V ~ / 32 A / 4 mm²	450 V ~ / 41 A / 6 mm²	500 V ~ / 57 A / 10 mm²	500 V ~ / 76 A / 16 mm²
UL	300 V ~ / 20 A / AWG 22 - 12	300 V ~ / 25 A / AWG 22 - 10	300 V ~ / 30 A / AWG 18 - 10	300 V ~ / 55 A / AWG 10 - 6
Torque	0,4 Nm	0,5 Nm	0,8 Nm	1,1 Nm
Features				
Isolation Material	PP	PP	PP	PP
Connection Material	Steel	Steel	Steel	Steel
Screw Connection	0,5 - 4 mm²	1 - 6 mm²	2,5 - 10 mm²	4 - 16 mm²
Length - L (mm)	95,5	116,8	140	170
Width - W (mm)	16,9	19,3	23,5	24,9
Height - H (mm)	14,3	16,85	18,6	20,7
Qty.	50	50	50	50



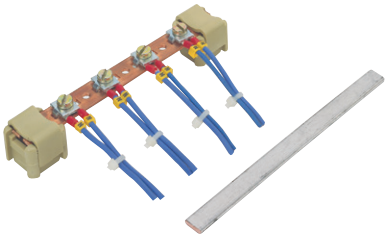
	SK 1	SK 2	SK 3	SK 4
	431 002	432 012	433 022	434 032
Electrical Ratings	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**	**Voltage / Current / Cross-Section**
IEC 60998-1, IEC 60998-2 (VDE)	450 V ~ / 24 A / 2,5 mm²	450 V ~ / 32 A / 4 mm²	500 V ~ / 41 A / 6 mm²	500 V ~ / 76 A / 16 mm²
UL	300 V ~ / 20 A / AWG 22 - 12	300 V ~ / 30 A / AWG 22 - 10	300 V ~ / 35 A / AWG 18 - 10	300 V ~ / 68 A / AWG 10 - 6
Torque	0,4 Nm	0,5 Nm	0,8 Nm	1,1 Nm
Features				
Isolation Material	PA	PA	PA	PA
Connection Material	Brass	Brass	Brass	Brass
Screw Connection	0,5 - 4 mm²	1 - 6 mm²	2,5 - 10 mm²	4 - 16 mm²
Length - L (mm)	95,5	116,8	140	170
Width - W (mm)	16,9	19,3	23,5	24,9
Height - H (mm)	14,3	16,85	18,6	20,7
Qty.	50	50	50	50

Clamping Yokes and Accessories

	SBK 16/5 401 173	SBK 16/10 401 174	SBK 35/5 401 182	SBK 35/10 401 183	SBK 50/5 401 501	SBK 50/10 401 502
						
Electrical Ratings						
Cross-Section	1,5 - 16 mm²	1,5 - 16 mm²	16 - 35 mm²	16 - 35 mm²	25 - 50 mm²	25 - 50 mm²
Busbars Used	.... x 5 mm	.... x 10 mm	.... x 5 mm	.... x 10 mm	.... x 5 mm	.... x 10 mm
Torque	4 Nm	4 Nm	6 Nm	6 Nm	8 Nm	8 Nm
Qty.						
	100	100	25	25	25	25
Connection Data						
Insulation Stripping Length	22 mm	22 mm	30 mm	30 mm	36 mm	36 mm
AWG Conductor	14 ... 6	14 ... 6	10 ... 2	10 ... 2	6 ... 10	6 ... 10
Dimensions						
a	25,0	29,3	31,0	36,0	41,0	46,0
b	21,5	21,5	29,0	29,0	35,0	35,0
c	11,7	11,7	16,3	16,3	17,5	17,0

Busbars

KUB 1 - 2

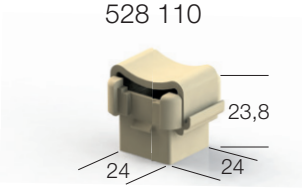


KUB 3

Single strand screw connection :
0,5 ..... 2,5 mm
Insulation Stripping Length : 9 mm

Type	Order No	Current (A)	Material	Dimensions (mm)	Qty.
KUB 1	**525 100**	80	E - Cu	15 x 2	1 m
KUB 1/2	**525 101**	80	E - Cu	15 x 2	50 cm
KUB 2	**525 200**	140	E - Cu	15 x 3	1 m
KUB 2/2	**525 201**	140	E - Cu	15 x 3	50 cm
KUB 3	**525 300**	140	E - Cu	10 x 3	1 m
KUB 3/3	**525 350**	140	Tin Coated E - Cu	10 x 3	1 m
KUB 4	**525 320**	140	Tin Plated - Copper	12 x 3	1 m
KUB 4	**525 310**	140	Copper	12 x 3	1 m

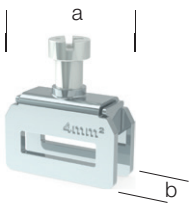
BM
528 110



Dimensions	Material	Qty.
15 x 2	PA 6,6	50
15 x 3		
12 x 3		
10 x 3		

Clamping Yokes and Accessories

BKN 4
525 410



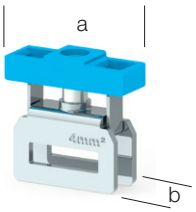
BKN 16
525 420

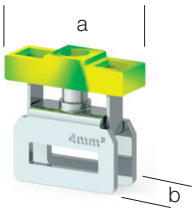
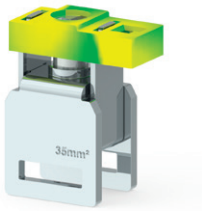


BKN 35
525 430



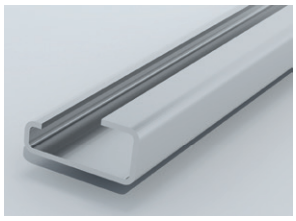
Electrical Ratings			
Cross-Sec.	4 mm²	16 mm²	35 mm²
Insulation Stripping Length (min.-max.)	16 mm	16 mm	16 mm
Fixing Screw	M 4	M 5	M 6
Busbar Dimensions	10 x 3 / 12 x 3	10 x 3 / 12 x 3	10 x 3 / 12 x 3
Isolation Width	-	-	-
Torque	1,5 - 1,8 Nm	2,5 - 3 Nm	3,2 - 3,7 Nm
Qty.			
	50	50	50
Connection Data			
Solid Strand	0,5 ... 6 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
Fine Strand,	0,5 ... 4 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
AWG Conductor	20 ... 10	16 ... 6	14 ... 2
Dimensions			
a	18	18	18
b	7	10	14

	IBKN 4 525 441	IBKN 16 525 451	IBKN 35 525 461
			
Electrical Ratings			
Cross-Sec.	4 mm²	16 mm²	35 mm²
Insulation Stripping Length (min.-max.)	16 mm	16 mm	16 mm
Fixing Screw	M 4	M 5	M 6
Busbar Dimensions	10 x 3 / 12 x 3	10 x 3 / 12 x 3	10 x 3 / 12 x 3
Isolation Width	Blue	Blue	Blue
Torque	1,5 - 1,8 Nm	2,5 - 3 Nm	3,2 - 3,7 Nm
Qty.			
	50	50	50
Connection Data			
Solid Strand	0,5 ... 6 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
Fine Strand,	0,5 ... 4 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
AWG Conductor	20 ... 10	16 ... 6	14 ... 2
Dimensions			
a	18	18	18
b	7	10	14

	IBKN 4 525 442T	IBKN 16 525 452T	IBKN 35 525 462T
			
Electrical Ratings			
Cross-Sec.	4 mm²	16 mm²	35 mm²
Insulation Stripping Length (min.-max.)	16 mm	16 mm	16 mm
Fixing Screw	M 4	M 5	M 6
Busbar Dimensions	10 x 3 / 12 x 3	10 x 3 / 12 x 3	10 x 3 / 12 x 3
Isolation Width	Yellow-Green	Yellow-Green	Yellow-Green
Torque	1,5 - 1,8 Nm	2,5 - 3 Nm	3,2 - 3,7 Nm
Qty.			
	50	50	50
Connection Data			
Solid Strand	0,5 ... 6 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
Fine Strand,	0,5 ... 4 mm²	1,5 ... 16 mm²	2,5 ... 35 mm²
AWG Conductor	20 ... 10	16 ... 6	14 ... 2
Dimensions			
a	18	18	18
b	7	10	14

DIN Rails

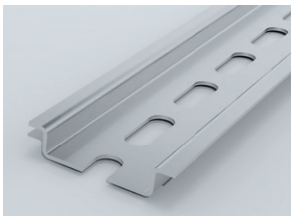
MR 32

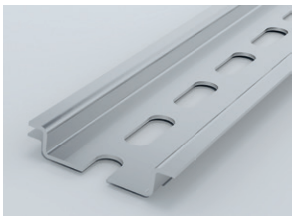


MR 35 x 7,5



MR 35 x 7,5



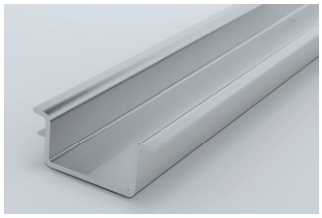


General Features				
Order No	**500 101**	**500 601**	**500 602**	**500 602E**
Unit Length (m)	1	1	1	1
Description	Non-Slotted Zinc Coated Steel	Non-Slotted Zinc Coated Steel	Slotted Zinc Coated Steel	Slotted Galvanised Steel Sheet
Qty. (pcs.)	10	20	20	20

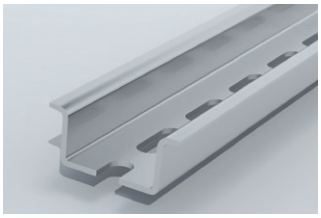
Order No		**500 603**	**500 604**	**500 604E**
Unit Length (m)		2	2	2
Description		Non-Slotted Zinc Coated Steel	Non-Slotted Zinc Coated Steel	Slotted Galvanised Steel Sheet
Qty. (pcs.)		20	20	20

Order No		**500 605**		
Unit Length (m)		0,3		
Description		Non-Slotted		
Qty. (pcs.)		20		

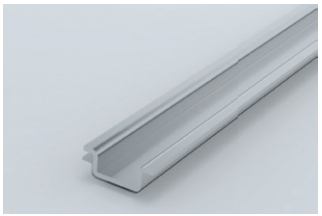
MR 35 x 15



MR 35 x 15



MR 15 x 5,5



MR 15 x 5,5



500 606	**500 607**	**500 610**	**500 611**
1	1	1	1
Non-Slotted / Zinc Coated Steel	Slotted / Zinc Coated Steel	Non-Slotted / Zinc Coated Steel	Slotted / Zinc Coated Steel
10	10	20	20

500 608	**500 609**	**500 612**	**500 613**
2	2	2	2
Non-Slotted / Zinc Coated Steel	Slotted / Zinc Coated Steel	Non-Slotted / Zinc Coated Steel	Slotted / Zinc Coated Steel
10	10	20	20

Cable Clamps



Order No	Product	Max. Cable Tie Width (mm)	Dimensions (mm)	Qty.
510 110	K 1	8 - 12	19x51	25
510 120	K 2	11 - 18	22.5x50	25
510 130	K 3	12 - 23	28.5x55	25

Cable Clamp Rail



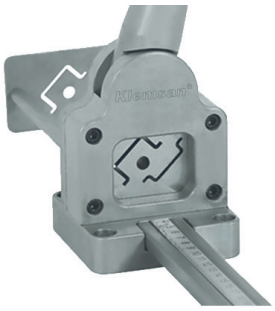


Order No	Product	Dimensions (mm)	Qty.
510 500	KR 1	20x35	1

Rail Cutting Tool

Order No	Product	Cutting Thickness	Cutting Capacity	Length Adjustment	Qty.
500 650	KRKM	1,5 mm	7.5x35 mm 15x35 mm Tij Ø8mm	100 cm	1

- 3 different cutting slots
- Clean Cut
- Lossless cutting
- Non-blunting knife
- Length adjustment guide



DIN Rail Support

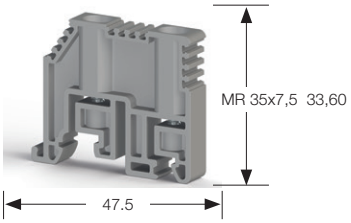


RT

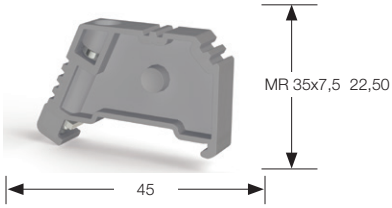
General Features	
Order No	**501 101**
Qty.	25

End Brackets

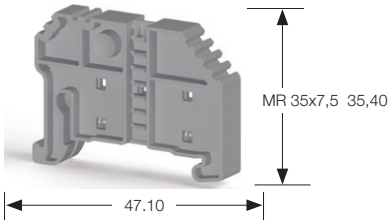
WGD 1



KD 3
KD 3 /NM

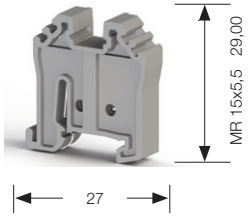


KD 4
KD 4 / NM

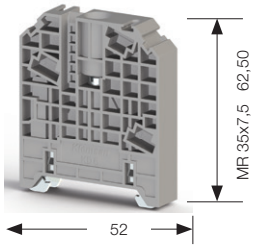


Order No	495 039 - Grey 495 030 - Beige	495 049 - Grey 495 040 - Beige 497 009 - NM (Grey)	495 059 - Grey 495 050 - Beige 497 019 - NM (Grey)
	Screw-type end bracket mounted on MR32 and MR 35 types of DIN-rail. Can be used together with Screw Connection feed-through one level terminals.	Screw-type end bracket mounted on MR 35 type of DIN-rail. Can be used together with Screw Connection feed-through one level terminals.	Without screw end bracket mounted on MR 35 type of DIN-rail. Can be used together with Spring Clamp and Practical Spring Clamp feed-through terminals.
Qty.	100	100	100
Marker		508 530 SIFX 0615Y (6x15 mm)	508 530 SIFX 0615Y (6x15 mm)

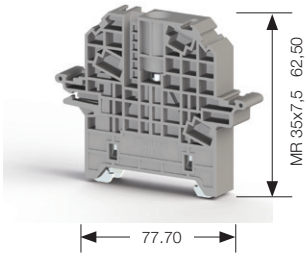
KD 5



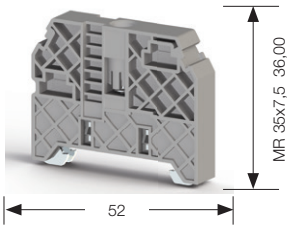
KD 6
KD 6 / NM



KD 6A

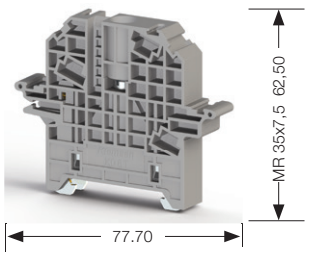


KD 7
KD 7 / NM

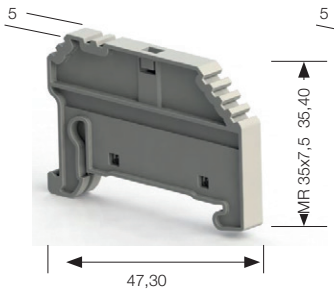


Order No	495 069 - Grey 495 060 - Beige	495 099 - Grey 495 090 - Beige	495 109 - Grey 495 100 - Beige	495 219 - Grey 495 210 - Beige 497 059 - NM (Grey)
	Without screw end bracket mounted on MR 15 type of DIN-rail. Can be used together with Mini Screw Connection and Mini Spring Clamp feed-through terminals.	Screw-type end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals for big cross-sections.	Screw-type end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals for big cross-sections.	Screw type end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals for small and middle cross-sections.
Qty.	100	50	50	50

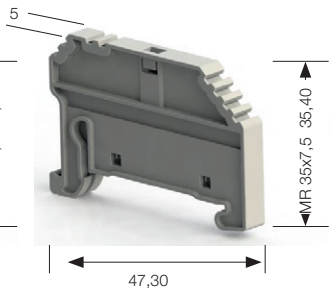
KD 6T



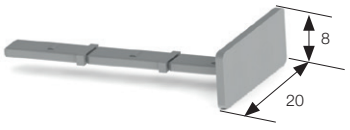
KD 8



KD 8/NM



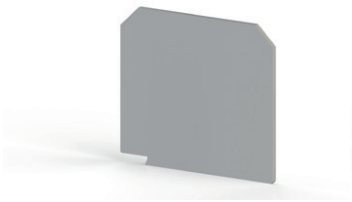
ME4



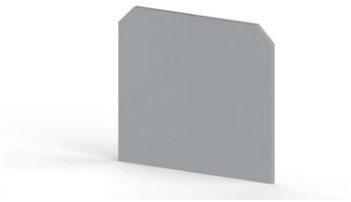
Order No	495 209 - Grey 495 200 - Beige	495 229 - Grey 495 220 - Beige	497 069 - Grey 497 069 - NM (Grey)	ME 496 329 - Grey ME 496 320 - Beige
	Screw type end bracket mounted on MR 35type of DIN-rail. Can be used together with feed-through terminals for high cross-sections. Provides distribution block with 10x3 mm busbar.	Without screw end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals.	Without screw end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals.	Suitable for KD 8 and KD 8/NM 808 505 KCIP - Y 8x20 808 409 PYE-05 YL 18x8
Qty.	50	50	50	25

Seperation Plate

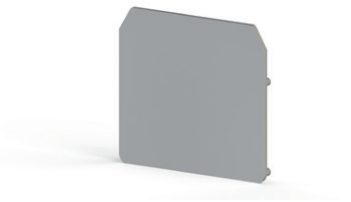
APP/AVK 2,5-10
APP/AVK 2,5-10 / NM



APP/AVK 16
APP/AVK 16 / NM



APP/AVK 16RD
APP/AVK 16RD / NM

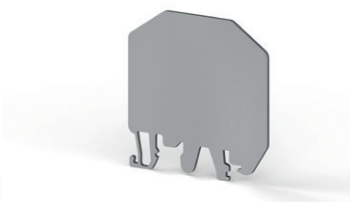


Order No	462 120 - Grey		462 160 - Grey		462 170 - Grey	
	462 129 - Beige		462 169 - Beige		462 179 - Beige	
Technical Data		**NM**		**NM**		**NM**
Insulating material	PA	PA	PA	PA	PA	PA
Inflammability class according to UL 94	V2	V0	V2	V0	V2	V0
Packing unit (pcs.)	25	25	25	25	25	25
Continuous operating temp. max.	120°C	130°C	120°C	130°C	120°C	130°C
Continuous operating temp. min.	-55°C	-60°C	-55°C	-60°C	-55°C	-60°C
Dimensions (mm)						
Width	1,2		1,5		1,5	
Length	42,70		49,40		52,80	
Height	39		45		50,70	

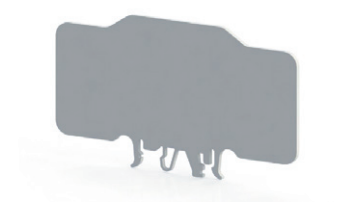
APP/AVK 35RD
APP/AVK 35RD / NM



APP-PB 2,5-6/NM



APP-PB 25/NM



Order No	462 180 - Grey		464 009 - Grey		464 019 - Grey	
	462 189 - Beige		464 000 - Beige		464 010 - Beige	
Technical Data		**NM**		**NM**		**NM**
Insulating material	PA	PA	PA	PA	PA	PA
Inflammability class according to UL 94	V2	V0	V0	V0	V0	V0
Packing unit (pcs.)	10	25	25	25	25	25
Continuous operating temp. max.	120°C	130°C	120°C	130°C	120°C	130°C
Continuous operating temp. min.	-55°C	-60°C	-55°C	-60°C	-55°C	-60°C
Dimensions (mm)						
Width	1,5		1,5		2	
Length	52,80		55,70		109	
Height MR 35x7,5	63,70		59		69,80	
Height MR 35x15	71,20		66,50		77,30	
Height MR 32	68,30		63,60		74,40	

Small Partition

Type	Color	Description	Order No	Qty.
AD 1	Grey	AVK 2,5 - 10	**467 919**	100
AD 2	Grey	AVK 16 RD / 35 RD	**468 059**	100
AD 3	Grey	AVK 16 RD / 35 RD	**468 059**	100

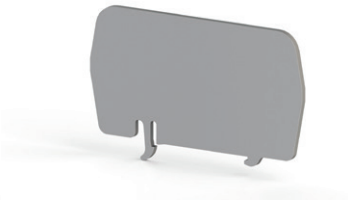


Seperation Plate

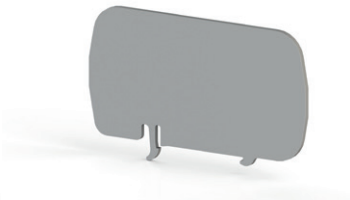
APP/PYK 1,5-2,5-4
APP/PYK 1,5-2,5-4 / NM



APP/PYK 6
APP/PYK 6 / NM

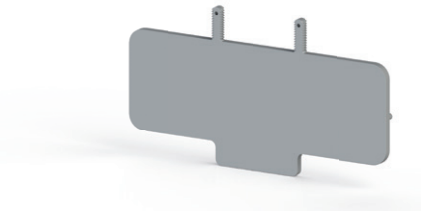


APP/PYK 10
APP/PYK 10 / NM



Order No	463 180 - Grey		463 190 - Grey		463 200 - Grey	
	463 189 - Beige		463 199 - Beige		463 209 - Beige	
Technical Data		**NM**		**NM**		**NM**
Insulating material	PA	PA	PA	PA	PA	PA
Inflammability class according to UL 94	V2	V0	V2	V0	V2	V0
Packing unit (pcs.)	25	25	25	25	25	25
Continuous operating temp. max.	120°C	130°C	120°C	130°C	120°C	130°C
Continuous operating temp. min.	-55°C	-60°C	-55°C	-60°C	-55°C	-60°C
Dimensions (mm)						
Width	2		2		2	
Length	65,50		75,60		85,40	
Height MR 35x7,5	47,20		49,40		54,20	
Height MR 35x15	54,70		56,90		61,70	
Height MR 32	-		-		-	

APP/WGO 5



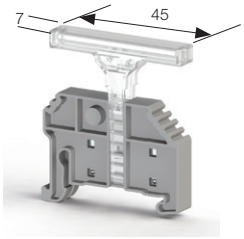
SKK-MR35



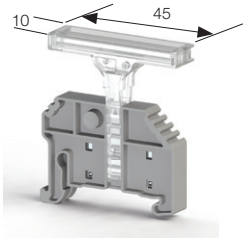
Order No	463 219 - Grey	468 069 - Grey
	463 210 - Beige	468 060 - Beige
Technical Data		
Insulating material	PA	PA
Inflammability class according to UL 94	V2	V2
Packing unit (pcs.)	25	10
Continuous operating temp. max.	120°C	120°C
Continuous operating temp. min.	-55°C	-55°C
Dimensions (mm)		
Width	2,50	2,10
Length	93,40	75
Height MR 35x7,5	51,30	85,50
Height MR 35x15	-	93
Height MR 32	-	90,10

Modular Group Markers

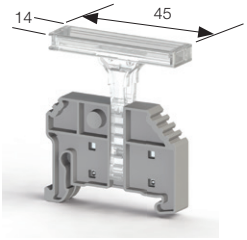
ME 1 - 1



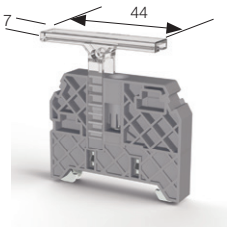
ME 1 - 2



ME 2 - 2



ME 3

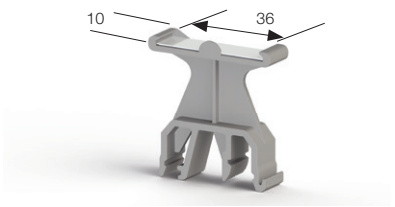


Order No	496 12A - Transparent	496 13A - Transparent	496 14A - Transparent	496 300 - Transparent
Qty.	25	25	25	50
End Stopper	KD 4 - KD 6 - KD 6T	KD 4 - KD 6 - KD 6T	KD 4 - KD 6 - KD 6T	KD 7
Label Klecard	808 500 KCIP-Y 7x44	808 500 KCIP-Y 7x44 808 506 KCIP-Y 9x35	808 500 KCIP-Y 7x44 808 506 KCIP-Y 9x35	808 500 KCIP-Y 7x44
Office Printer Label	508 530 SI FX 0615Y	508 530 SI FX 0615Y	508 530 SI FX 0615Y	508 520 SIT FP 4407Y

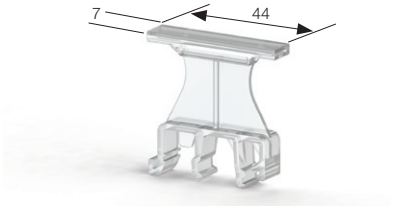
ME type modular group markers provide flexible solutions for the marking of terminal blocks. Four different group markers are designed which can be mounted on KD4, KD6, KD6A, KD6T and KD7 type end-brackets. ME3 type group marker can only be used with KD7 end bracket.

Group Markers

GE



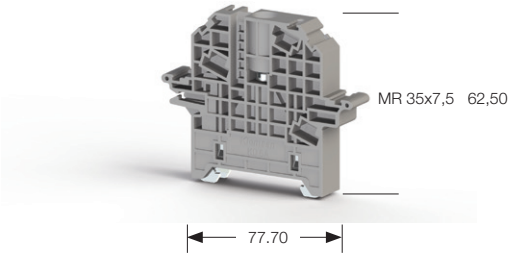
GE 4



Order No	Product	Description	Marker Order No	Color	Qty.
496 110	GE	Group Marker MR 32/MR 35	808 506 KCIP-Y (9x35 mm)	Beige	50
496 119	GE	Group Marker MR 32/MR 35	808 506 KCIP-Y (9x35 mm)	Grey	50
496 310	GE 4	Group Marker MR 32/MR 35 (Transparent)	508 520 SIT FP 4407 (7x44 mm)	Transparent	50

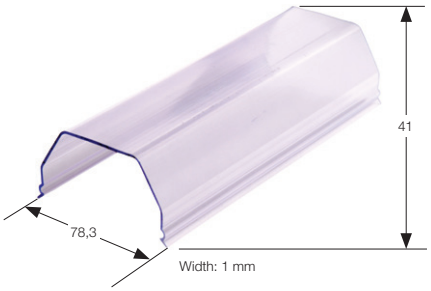
KD 6A

Order No	495 109 - Grey 495 100 - Beige
	Screw-type end bracket mounted on MR 35 type of DIN-rail. Can be used together with feed-through terminals for big cross-sections.
Qty.	50



Cover for KD 6A

Type	Color	Order No	Qty.
Cover for KD 6A	Transparent Cover	**498 190**	1



Sealing Pin for KD 6A

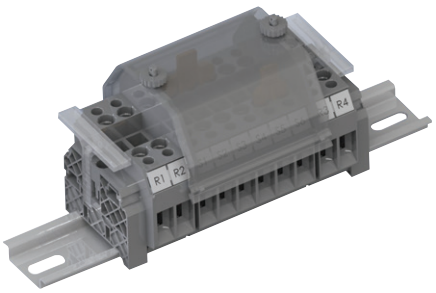
Type	Color	Order No	Qty.
KD 6A	Orange Sealing Pin	**498 187**	100



Holding Plate for Cover

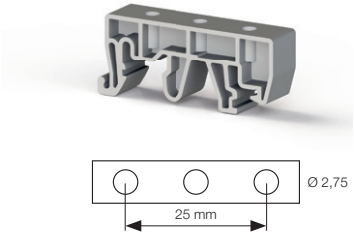
Type	Color	Order No	Qty.
SKK - MR 35	Grey	**468 069**	10
SKK - MR 35	Beige	**468 060**	10





Rail Adaptor RA 10

Type	Color	Order No	Qty.
RA 10	Grey	**498 459**	50
RA 10	Beige	**498 450**	50



Test Plugs and Sockets



TF TSK 1 TSK 3 TSK 4 TSK 6 TSK 7 TSK 8 TSK 9 TSK 10 TSK 11

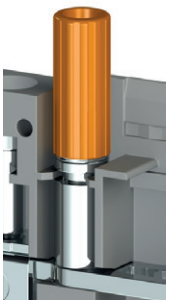
Order No	Product	Terminals used
493 020	TF (Q2)	AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD
493 023	TF (2.3)	AVK 2.5; AVK 4; AVK 6; AVK 10; PIK 2.5 N; PIK 4 NK; PIK 2.5 ND; PIK 2.5 NLD;PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD
490 010	TSK 1 (Q2)	AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4N; PIK 4 NK; PIK 4 ND; PIK 4 NLD
490 030	TSK 3 (Q2.3)	AVK 2.5; PIK 2.5 N; PIK 2.5 NK; PIK 2.5 ND; PIK 2.5 NLD; PIK 4 N; PIK 4 NK; PIK 4 ND; PIK 4 NLD; PUK 3; PUK 2T; PUK 3T; PUK 3 S; PUK 3 SLD (NPN); PUK 3 SLD (PNP)
493 040	TF (Q4)	AVK 4; AVK 6; AVK 10; AVK 16; AVK 16 RD; AVK 35 RD; AVK 35 IRD; WGO 1; WGO 2N; WGO 2 IR; WGO 3; WGL 1; WGO PB 6; WGO Y6; WGO YD6; WGO PBD 6
490 040	TSK 4 (Q2.3)	AVK 4; AVK 6; AVK 10
490 070	TSK 7 (Q4)	AVK 4; AVK 6; AVK 10
490 080	TSK 8 (Q4)	AVK 16
490 090	TSK 9 (Q4)	AVK 16 RD; AVK 35 RD; AVK 35 RDS; AVK 35 IRDS
490 100	TSK 10	WGO 1; WGO 3; WGL 1; WGO Y6; WGO YD6; WGO 2N

Test Plugs and Sockets

Socket Group 1 (Without Isolation)		
Group 1	Suitable Terminal Blocks	WGO 1 - WGL 1 - WGO 3 - WGO 2N
	Component Stock Code	Component Name
	5.1.1.0.006213	UKK 6x11,8
	3.0.3.4.000314	SCREW M3x17



Test Socket Group 2 (With Isolation)		
Group 2	Suitable Terminal Blocks	WGO 1 - WGL 1 - WGO 3 - WGO 2N
	Color Options	Orange (Standart) - Blue - Green - Yellow - Vıolet
	Component Stock Code	Component Name
	0.0.0.4.90100	TSK 10 ORANGE
	5.1.1.0.006213	UKK 6x11,8



Test Socket Group 3 (With Isolation)		
Group 3	Suitable Terminal Blocks	WGO4
	Color Options	Orange (Standart) - Blue - Green - Yellow - Vıolet - Red - Black
	Component Stock Code	Component Name
	0.0.0.4.90110	TSK 11 ORANGE

DIN Rail Sockets

PAP



PAP - LED



	v Earth	DIN Rail Socket LED + Earth
Cat. No.	**670 100**	**670 200**
Qty.	1	1
Width / Height / Depth (mm)	41.80 / 74.80 / 49.20	41.80 / 74.80 / 49.20
Voltage / Current / Cross-Section	250 V / 16 A / 6 mm^2	250 V / 16 A / 6 mm^2
Single ve Fine Strand, (mm^2)	0.5 - 10	0.5 - 10
Conductors with ferrules (mm^2)	0.5 - 6	0.5 - 6

DIN Rail Sockets

PAP - UPS



PAP - UPS + LED

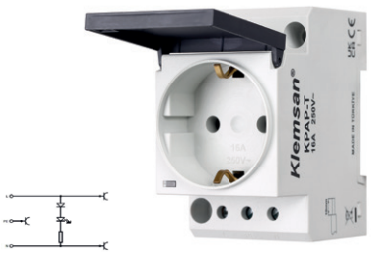


PAP - KK

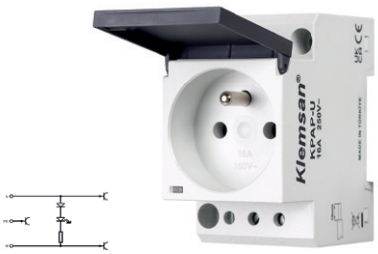


DIN Rail Socket UPS	DIN Rail Socket LED + UPS	DIN Rail Socket Children Protection + Earth
670 300	**670 400**	**670 500**
1	1	1
41.80 / 74.80 / 46.70	41.80 / 74.80 / 46.70	41.80 / 74.80 / 46.70
250 V / 16 A / 6 mm²	250 V / 16 A / 6 mm²	250 V / 16 A / 6 mm²
0.5 - 10	0.5 - 10	0.5 - 10
0.5 - 6	0.5 - 6	0.5 - 6

KPAP-T



KPAP-U



	DIN Rail Socket	DIN Rail Socket
Order No	**670 600**	**670 700**
Qty.	4	4
Width / Height / Depth (mm)	75,00 / 70,50 / 45,00	75,00 / 70,50 / 45,00
Voltage / Current / Cross-Section	250 V / 16 A / 6 mm²	250 V / 16 A / 6 mm²
Single ve Fine Strand, (mm²)	0.5 - 10	0.5 - 10
Conductors with ferrules (mm²)	0.5 - 10	0.5 - 10

MARKING SOLUTIONS

Printers • Software • Terminal Block Tags • Wire Marking



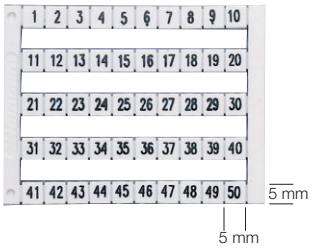


Printed Terminal Block Marking Tags

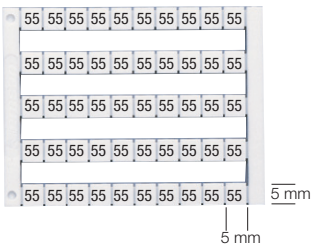
STANDARD PRINTED TERMINAL LABELS

Order No	Type	Printing area (mm)	Color	Qty.
505 0...	DY 5	5x5	White	500
505 2...	DY 10/6,5	10x6,5	White	510

DY 5



DYO 5



Order No	Type	Description
505 000	DY 5	0
505 001	DY 5	1
505 002	DY 5	2
505 003	DY 5	3
505 004	DY 5	4
505 005	DY 5	5
505 006	DY 5	6
505 007	DY 5	7
505 008	DY 5	8
505 009	DY 5	9
505 010	DY 5	10
505 020	DY 5	1-10
505 021	DY 5	11-20
505 022	DY 5	21-30
505 023	DY 5	31-40
505 024	DY 5	41-50
505 025	DY 5	51-60
505 026	DY 5	61-70
505 027	DY 5	71-80
505 028	DY 5	81-90
505 029	DY 5	91-100
505 030	DY 5	10, 20,30,.....100
505 040	DY 5	1-50
505 041	DY 5	51-100
505 042	DY 5	101-150
505 043	DY 5	151-200
505 044	DY 5	201-250
505 045	DY 5	251-300
505 046	DY 5	301-350
505 047	DY 5	351-400
505 048	DY 5	401-450
505 049	DY 5	451-500
505 050	DY 5	501-550
505 051	DY 5	551-600
505 052	DY 5	601-650
505 053	DY 5	651-700
505 054	DY 5	701-750
505 055	DY 5	751-800
505 056	DY 5	801-850
505 057	DY 5	851-900
505 058	DY 5	901-950
505 059	DY 5	951-999

Order No	Type	Description
505 060	DY 5	A
505 061	DY 5	B
505 062	DY 5	C
505 063	DY 5	D
505 064	DY 5	E
505 065	DY 5	F
505 066	DY 5	G
505 067	DY 5	H
505 068	DY 5	I
505 069	DY 5	J
505 070	DY 5	K
505 071	DY 5	L
505 072	DY 5	M
505 073	DY 5	N
505 074	DY 5	O
505 075	DY 5	P
505 076	DY 5	Q
505 077	DY 5	R
505 078	DY 5	S
505 079	DY 5	T
505 080	DY 5	U
505 081	DY 5	V
505 082	DY 5	W
505 083	DY 5	X
505 084	DY 5	Y
505 085	DY 5	Z
505 090	DY 5	L1
505 091	DY 5	L2
505 092	DY 5	L3
505 093	DY 5	RSTN ⏚
505 094	DY 5	Mp
505 095	DY 5	+
505 096	DY 5	-
505 097	DY 5	⏚
505 098	DY5	PE

Order No	Type	Description
505 201	DY 10/6,5	1-10
505 202	DY 10/6,5	11-20
505 203	DY 10/6,5	21-30
505 204	DY 10/6,5	31-40
505 205	DY 10/6,5	41-50
505 206	DY 10/6,5	51-60
505 207	DY 10/6,5	61-70
505 208	DY 10/6,5	71-80
505 209	DY 10/6,5	81-90
505 210	DY 10/6,5	91-100

* For your special printed label requests please contact with our sales representative.

Printed Wire Marking Tags

Closed Type				
				
Numbers	KG 1	KG 2	Qty.	Color
0	515 000	516 000	1000/500	Yellow
1	515 001	516 001	1000/500	Yellow
2	515 002	516 002	1000/500	Yellow
3	515 003	516 003	1000/500	Yellow
4	515 004	516 004	1000/500	Yellow
5	515 005	516 005	1000/500	Yellow
6	515 006	516 006	1000/500	Yellow
7	515 007	516 007	1000/500	Yellow
8	515 008	516 008	1000/500	Yellow
9	515 009	516 009	1000/500	Yellow
Letters				
A	515 010	516 010	1000/500	Yellow
B	515 011	516 011	1000/500	Yellow
C	515 012	516 012	1000/500	Yellow
D	515 013	516 013	1000/500	Yellow
E	515 014	516 014	1000/500	Yellow
F	515 015	516 015	1000/500	Yellow
G	515 016	516 016	1000/500	Yellow
H	515 017	516 017	1000/500	Yellow
I	515 018	516 018	1000/500	Yellow
J	515 019	516 019	1000/500	Yellow
K	515 020	516 020	1000/500	Yellow
L	515 021	516 021	1000/500	Yellow
M	515 022	516 022	1000/500	Yellow
N	515 023	516 023	1000/500	Yellow
O	515 024	516 024	1000/500	Yellow
P	515 025	516 025	1000/500	Yellow
Q	515 026	516 026	1000/500	Yellow
R	515 027	516 027	1000/500	Yellow
S	515 028	516 028	1000/500	Yellow
T	515 029	516 029	1000/500	Yellow
U	515 030	516 030	1000/500	Yellow
V	515 031	516 031	1000/500	Yellow
W	515 032	516 032	1000/500	Yellow
X	515 033	516 033	1000/500	Yellow
Y	515 034	516 034	1000/500	Yellow
Z	515 035	516 035	1000/500	Yellow
Signs				
Mp	515 040	516 040	1000/500	Blue
S	515 041	516 041	1000/500	Green
T	515 042	516 042	1000/500	Red
+	515 043	516 043	1000/500	Red
-	515 044	516 044	1000/500	Blue
⏚	515 045	516 045	1000/500	Yellow
(	515 046	516 046	1000/500	Yellow
.	515 047	516 047	1000/500	Yellow
/	515 048	516 048	1000/500	Yellow

Open Type					
					
Numbers	KE 1	KE 2	KE 3	Qty.	Color
0	517 000	518 000	519 000	500	Black
1	517 001	518 001	519 001	500	Brown
2	517 002	518 002	519 002	500	Red
3	517 003	518 003	519 003	500	Orange
4	517 004	518 004	519 004	500	Yellow
5	517 005	518 005	519 005	500	Green
6	517 006	518 006	519 006	500	Blue
7	517 007	518 007	519 007	500	Purple
8	517 008	518 008	519 008	500	Grey
9	517 009	518 009	519 009	500	White
Letters					
A	517 010	518 010	519 010	200	Yellow
B	517 011	518 011	519 011	200	Yellow
C	517 012	518 012	519 012	200	Yellow
D	517 013	518 013	519 013	200	Yellow
E	517 014	518 014	519 014	200	Yellow
F	517 015	518 015	519 015	200	Yellow
G	517 016	518 016	519 016	200	Yellow
H	517 017	518 017	519 017	200	Yellow
I	517 018	518 018	519 018	200	Yellow
J	517 019	518 019	519 019	200	Yellow
K	517 020	518 020	519 020	200	Yellow
L	517 021	518 021	519 021	200	Yellow
M	517 022	518 022	519 022	200	Yellow
N	517 023	518 023	519 023	200	Yellow
O	517 024	518 024	519 024	200	Yellow
P	517 025	518 025	519 025	200	Yellow
Q	517 026	518 026	519 026	200	Yellow
R	517 027	518 027	519 027	200	Yellow
S	517 028	518 028	519 028	200	Yellow
T	517 029	518 029	519 029	200	Yellow
U	517 030	518 030	519 030	200	Yellow
V	517 031	518 031	519 031	200	Yellow
W	517 032	518 032	519 032	200	Yellow
X	517 033	518 033	519 033	200	Yellow
Y	517 034	518 034	519 034	200	Yellow
Z	517 035	518 035	519 035	200	Yellow
Signs					
Mp	517 040	518 040	519 040	200	Yellow
+	517 043	518 043	519 043	200	Yellow
-	517 044	518 044	519 044	200	Yellow
⏚	517 045	518 045	519 045	200	Yellow
(	517 046	518 046	519 046	200	Yellow
.	517 047	518 047	519 047	200	Yellow
/	517 048	518 048	519 048	200	Yellow

Technical Specifications	KG 1	KG 2	KE 1	KE 2	KE 3
External insulation, mm²	2,4 - 4,4	4 - 8,5	-	-	-
Cross section, mm²	0,75 - 4	4 - 16	0,75 - 1,5	1,5 - 2,5	4 - 6

Self-Adhesive Button and Panel Tag Holders



Order No	Product	Dimensions (mm)	Color	Qty.
509 700	Y-PBR S	30 x 17 mm (22.5 mm²)	Black	100
509 701	Y-PBR T	30 x 17 mm (Telemecanique)	Black	100
509 600	Y-PER 1730	17x30	Black	100
509 601	Y-PER 1752	17x52	Black	100
509 602	Y-PER 1770	17x70	Black	100

Protective Cover for Button/Panel Tags



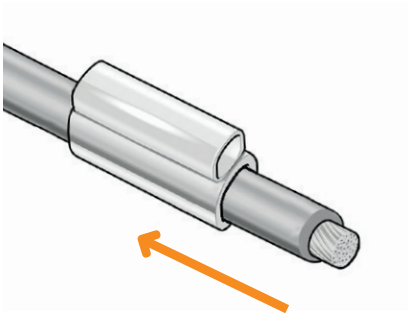
Order No	Product	Dimensions (mm)	Color	Qty.
508 813	PBKP 2715	27x15	Transparent	192
508 814	PBKP 5015	50x15	Transparent	96
508 815	PBKP 6715	67x15	Transparent	96

Marking Tags for Cable Ties



Order No	Product	Max. Label Size (mm)	Dimensions (mm)	Color	Qty.
520 110	KBE 1	8,7 x 29,5 mm	11 x 31,6 mm	Transparent	100
520 120	KBE 2	15,4 x 40 mm	19,5 x 44,5 mm	Transparent	100
508 080	KBE 3	9 x 20 mm	20,3 x 26 mm	Transparent	120

Sleeves for Cable Marking Tags





Order No	Product	Color	Qty.
809 100	KCKKS 10 / 0.5-1.5 mm²	Transparent	500
809 110	KCKKS 15 / 0.5-1.5 mm²	Transparent	500
809 120	KCKKS 18 / 0.5-1.5 mm²	Transparent	500
809 130	KCKKS 23 / 0.5-1.5 mm²	Transparent	500
809 140	KCKKS 30 / 0.5-1.5 mm²	Transparent	500
809 150	KCKKS 10 / 1.5-2.5 mm²	Transparent	500
809 160	KCKKS 15 / 1.5-2.5 mm²	Transparent	500
809 170	KCKKS 18 / 1.5-2.5 mm²	Transparent	500
809 180	KCKKS 23 / 1.5-2.5 mm²	Transparent	500
809 190	KCKKS 30 / 1.5-2.5 mm²	Transparent	500
809 200	KCKKS 10 / 2,5-4 mm²	Transparent	500
809 210	KCKKS 15 / 2,5-4 mm²	Transparent	500
809 220	KCKKS 18 / 2,5-4 mm²	Transparent	500
809 230	KCKKS 23 / 2,5-4 mm²	Transparent	500
809 240	KCKKS 30 / 2,5-4 mm²	Transparent	500
809 250	KCKKS 10 / 6-10 mm²	Transparent	500
809 260	KCKKS 15 / 6-10 mm²	Transparent	500
809 270	KCKKS 18 / 6-10 mm²	Transparent	500
809 280	KCKKS 23 / 6-10 mm²	Transparent	500
809 290	KCKKS 30 / 6-10 mm²	Transparent	500
809 300	KCKKS 10 / 16-25 mm²	Transparent	500
809 310	KCKKS 15 / 16-25 mm²	Transparent	500
809 320	KCKKS 18 / 16-25 mm²	Transparent	500
809 330	KCKKS 23 / 16-25 mm²	Transparent	500
809 340	KCKKS 30 / 16-25 mm²	Transparent	500

THERMAL PRINTING SOLUTIONS



Software

KlemarkPRO is developed by Klemsan in order to manage all kinds of marking projects through one software.

- Easy setup. Operator needs only basic computer skills.
- Compatible with all Klemsan printers.
- Provides high performance for printing all types of texts, symbols and images.
- Advanced features provide high-quality preview and quick operation.
- Graphic design and Klecard universal drivers can be automatically uploaded during set-up. (Windows® compatibility.)

Marking Systems / Printers

We offer the most suitable solutions for your projects thanks to our thermal marking systems. You can experience the high efficiency and easy application with Klemsan Marking Systems which will definitely suit all your industrial requirements.

KLECARD Thermal Card Printer



Klecard Thermal Printer is the fastest and easiest way for marking a wide variety of labels and tags.

- Terminal Blocks
- Cables
- Panel Surface and Components
- All Kinds of Industrial Products and Devices

Windows® based driver will provide ease of use. Even smallest symbols, drawings, barcodes and QR Codes can be printed.

TE Series – Thermal Roll Printer



High-speed TE Series thermal transfer printer is designed for marking labels and tags within roll format. Light and compact design of the printer ensures the ease of use in the most challenging field conditions. All kinds of panel building components such as cable markers, terminal strip labels and other industrial labels can be marked with TE Series.

Hardware Requirements

CPU	32-bit / 64-bit Intel® or AMD® Processor
RAM	2 GB of RAM (4 GB recommended)
Disc Space (HDD/SDD)	4.0 GB of free disk space for installation
Display	15.6” monitor (17” recommended)
Input Devices	Keyboard, three-button mouse

Software Requirements

Operating System	Microsoft® Windows® Vista, 7, 8/8.1/10/11 with NET Framework 4.0
Internet Browser	Microsoft® Internet Explorer®, Google Chrome™, Mozilla® Firefox®

Software Features

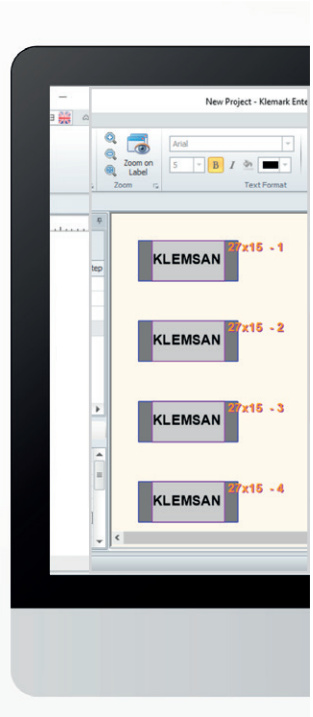
Reconfiguration Oriented Project

The marking project is a relational database which can be continuously reconfigured, by sorting and grouping different materials on different machines. You can modify, complete your project or adapt it to different system configurations in an efficient way with minimum effort.

Intuitive User Interface Compatible with MS-Windows Philosophy
WYSIWYG (What You See is What You Get)

The user can manage records in a combined Tree-Grid view with sorting, filtering and grouping functions.

- Visual editing in preview screen and synchronization with the Tree-Grid view.
- Undo/Redo functions for project operations on records/project.
- Clipart collection of symbols by dragging and dropping into the project (in Graphic Mode).
- Simple Text and RTF (rich-text-format) editing capability on labels.
- Graphic Editor for labels with support for RTF, Barcode, QR-Code, circular text, vector and raster images.



Material Management

The material hierarchical (Tree-Grid) view allows direct selection into preview screen for visual editing.

Material and Custom Label Designer

Easy and functional geometrical label design and text attributes for Klemsan standard materials and customer predefined/layout labels. Smart way of assigning printing settings to each material from parameter database.

Strip / Endless / Ribbon Material Support

The Terminal Strip Editor is a powerful graphic editor with print preview capabilities for ribbon/strip materials.

Printer Settings

Printers management utility for assigning printers to materials category, also for defining the materials organization on each printer pad.

Print Settings

Capability for selection, copy factors, machine settings control during the printing process.

Page Printing Management

The pages to be printed can be viewed hierarchically (Tree-Grid) which allows label grouping or individual label selection.

International Language Support

The application fully supports UNICODE languages for the user interface and for the text to be marked.

KLECARD Thermal Card Printing

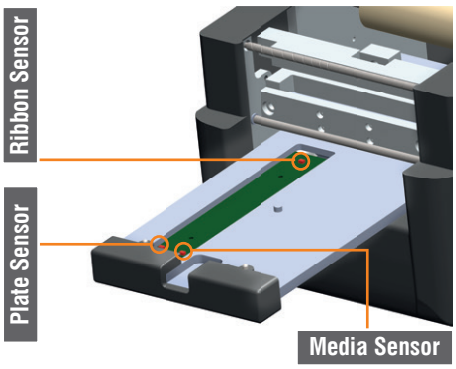


Order No	Product
806 000	Klecard Thermal Card Printer

The marking process has never been so effortless. Printing dozens of labels and tags just in seconds will give you an opportunity to complete your projects faster than what you plan. Klecard is the new amazing marking solution based on the thermal transfer print technology, which is alcohol-proof, smudge-proof and waterproof with no drying time. Klecard is so fast that you can print any kind of label card in less than 10 seconds with a huge thermal resistance level according to international standards. It is ideal for high volume applications with low-cost printing per card with a resolution of 300 x 600 dpi.

Terminal blocks, cables, panel components, buttons and many more products can be marked with our Klecard Printer thanks to our marking software Klemark-Pro.

Features



• Ribbon saving algorithm; ensures the optimal ribbon usage, lowering printing cost and maximizing efficiency.
• Built-in printhead integrity check; which automatically tests any printhead single element and ensures high-quality texts, symbols, barcodes and images.
• Perfect printing mode; which allows you to print different media types with the best settings of the printer (speed rate, printing intensity and ribbon control).
• Automatic temperature sensing; which controls the status of the printhead to adjust it at the best conditions depending on the operating environment climate.
• Sensing control; Klecard has three sensors to manage ribbon, plates and media. The machine will start printing only when the plate, the ribbon and media are placed on the machine.

Warning: **The printhead working temperature condition is between 15-35 °C range.**

Package Contents



- 1 KleCard Printer
- 1 Power Supply
- 1 Power Cable
- 1 USB Cable
- 1 Plate for Flat Media
- 1 Plate for Terminal Blocks Markers

Klecard Accessories



Ribbons

Order No	Product	Size (mm)	Color	Qty.
806 100	KL-RB Ribbon	110x300	Black	1
806 101	KL-RB Ribbon	110x300	Red	1
806 102	KL-RB Ribbon	110x300	Blue	1
806 103	KL-RB Ribbon	110x300	White	1

Order No.	Product	Qty.
806 099	Izoproply Material for Thermal Head	10

Note: To ensure the best printing quality and efficiency on Klemsan Thermal Marking Systems, only Klemsan original consumable products must be used. Otherwise, the subject products will not be covered by warranty conditions.

Plates

Order No	Product
806 010	KL-PLT A for Terminal Block Markers
806 020	KL-PLT B for Flat Media
806 030	KL-PLT C for Clip-it Cable Markers
806 060	KL-PLT D Plate For TRV Series Terminal Block Markers
806 040	PC-PLT A for Different Brand Terminal Block Markers

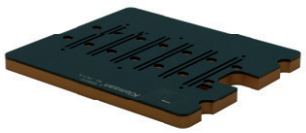


Plate KL-PLT A Terminal Block Markers

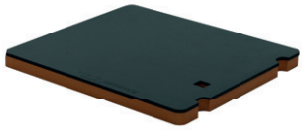


Plate KL-PLT B for Flat Media

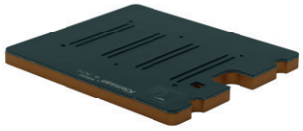


Plate KL-PLT C for Clip-it Cable Markers

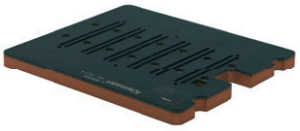
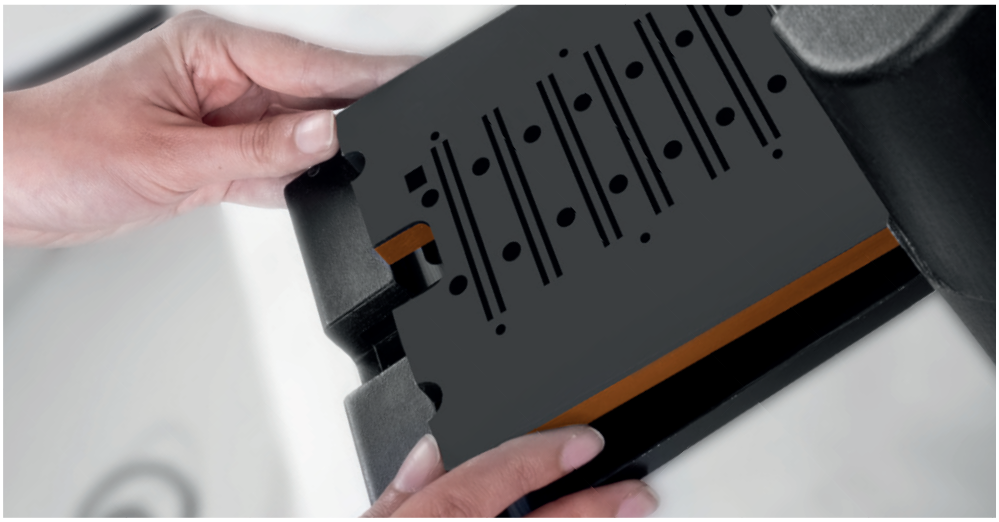
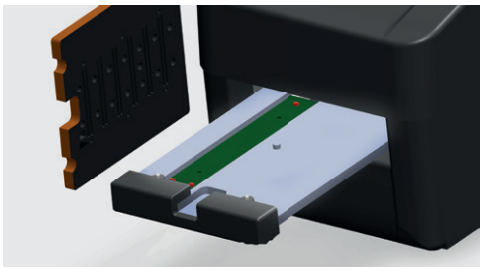
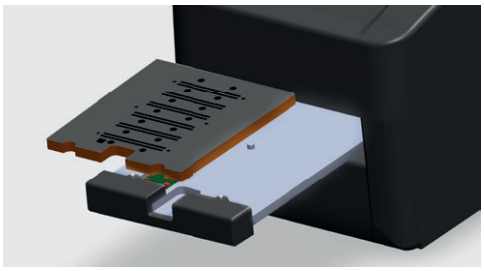


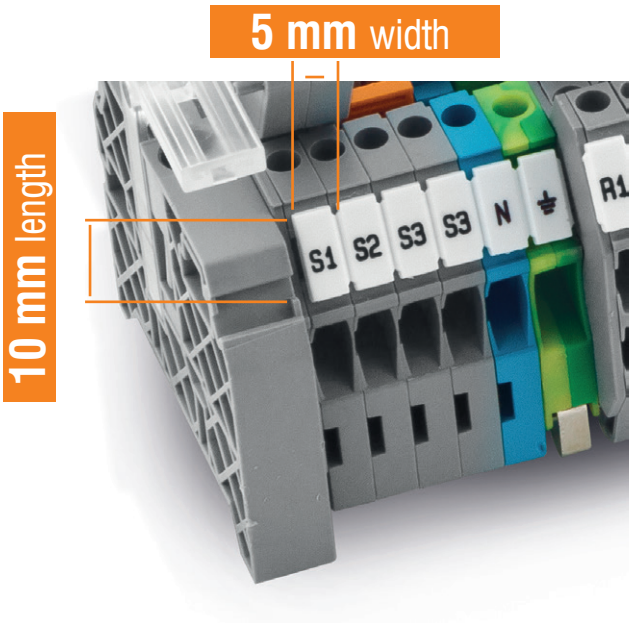
Plate KL-PLT D For TRV Series Terminal Block Markers

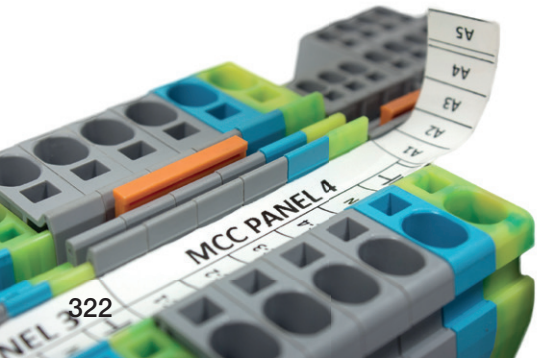






Marking for Terminal Blocks





Halogen Free VO raw material

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
811 750	D-NS 5x10	4,2x9,8	White	72	720
812 250	D-NS 6x10	5,2x9,8	White	60	600
812 750	D-NS 8x10	7,2x9,8	White	48	480
813 100	D-NS 10x10	9,2x9,8	White	36	360
813 450	D-NS 12x10	11,2x9,8	White	30	300
810 300	D-NS 5x6	4,4x6,0	White	72	720
810 450	D-NS 5,2x6	4,4x6,0	White	72	720
810 150	D-NS 4,2x6	3,6x6,0	White	84	840
810 600	D-NS 6,2x6	5,4x6,0	White	60	600
810 750	D-NS 8x6	6,4x6,0	White	48	480
811 000	D-NS 10x6	8,4x6,0	White	36	360
811 250	D-NS 12x6	10,4x6,0	White	30	300
811 800	D-NS 14x10	12,4x10,0	White	24	240
814 150	D-NS 20x9	18,4x10,0	White	18	180
814 270	D-NS 7x5	7x4,2	White	72	720
817 150	D-NS 3,6x6	3x6	White	96	960

* D-NS 7x5 and D-NS 20x9 label is compatible with 806 060 KL-PLT D plate.
* D-NS 7x5 label is compatible with **TRV Series Terminal Block.**
* See page **332 - 338** for **Terminal Blocks** selection guide.

816 000	D-PC 5x10	4,2x9,8	White	72	576
816 500	D-PC 6x10	5,2x9,8	White	60	480
817 000	D-PC 8x10	7,2x9,8	White	48	384

* D-PC labels are compatible with 806 040 PC-PLT A plate.
* Please contact with your sales represantive for brand suitibilaty information.

MARKING STRIP

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 457	KCSLF-W	4,9x100	White	27	540
808 458	KCSLF-W	11,2x100	White	12	240

* See page 357 - 360 for terminal blocks selection guide.

Marking For Cables

Clip-it Cable Markers - KE-NS Series

KE1-NS 4x18



Order No	Product	Print Area (mm)	Max.Cable Diameter (mm)	Color	Labels per Card	Labels per Pack
814 300	KE1-NS 4x12 W (0,5-1,5mm²)	4x12	2,00-2,90	White	40	1120
814 500	KE2-NS 4x12 W (1,5-2,5mm²)	4x12	2,90-3,50	White	36	864
814 700	KE3-NS 4x12 W (4,0-6,0mm²)	4x12	4,00-4,60	White	32	640
814 900	KE1-NS 4x18 W (0,5-1,5mm²)	4x18	2,00-2,90	White	40	1120
815 100	KE2-NS 4x18 W (1,5-2,5mm²)	4x18	2,90-3,50	White	36	864
815 300	KE3-NS 4x18 W (4,0-6,0mm²)	4x18	4,00-4,60	White	36	640
815 500	KE1-NS 4x22 W (0,5-1,5mm²)	4x22	2,00-2,90	White	40	1120
815 700	KE2-NS 4x22 W (1,5-2,5mm²)	4x22	2,90-3,50	White	36	864
815 900	KE3-NS 4x22 W (4,0-6,0mm²)	4x22	4,00-4,60	White	32	640
814 303	KE1-NS 4x12 Y (0,5-1,5mm²)	4x12	2,00-2,90	Yellow	40	1120
814 503	KE2-NS 4x12 Y (1,5-2,5mm²)	4x12	2,90-3,50	Yellow	36	864
814 703	KE3-NS 4x12 Y (4,0-6,0mm²)	4x12	4,00-4,60	Yellow	32	640
814 903	KE1-NS 4x18 Y (0,5-1,5mm²)	4x18	2,00-2,90	Yellow	40	1120
815 103	KE2-NS 4x18 Y (1,5-2,5mm²)	4x18	2,90-3,50	Yellow	36	864
815 303	KE3-NS 4x18 Y (4,0-6,0mm²)	4x18	4,00-4,60	Yellow	36	640
815 503	KE1-NS 4x22 Y (0,5-1,5mm²)	4x22	2,00-2,90	Yellow	40	1120
815 703	KE2-NS 4x22 Y (1,5-2,5mm²	4x22	2,90-3,50	Yellow	36	864
815 903	KE3-NS 4x22 Y (4,0-6,0mm²)	4x22	4,00-4,60	Yellow	32	640

Halogen Free VO raw material

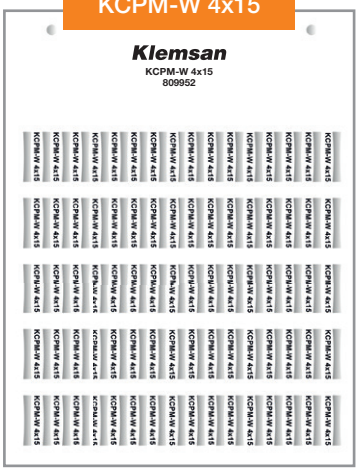


Marking For Cables

Cable Markers for KCKKS Transparent Tubes - KCPM Series



KCPM-W 4x15



Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 951	KCPM-W 4x10	4x10	White	112	2240
808 952	KCPM-W 4x15	4x15	White	80	1600
808 953	KCPM-W 4x23	4x23	White	64	1280
808 954	KCPM-W 4x30	4x30	White	48	960
809 001	KCPM-Y 4x10	4x10	Yellow	112	2240
809 002	KCPM-Y 4x15	4x15	Yellow	80	1600
809 003	KCPM-Y 4x23	4x23	Yellow	64	1280
809 004	KCPM-Y 4x30	4x30	Yellow	48	960

KCPM-Y 4x15

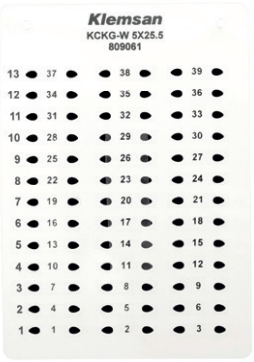


TAG HOLDERS SELECTION GUIDE

	KCPM 4x10	KCPM 4x15	KCPM 4x23	KCPM 4x30
KCKKS 10	✔			
KCKKS 15		✔		
KCKKS 23			✔	
KCKKS 30				✔

Marking For Cables

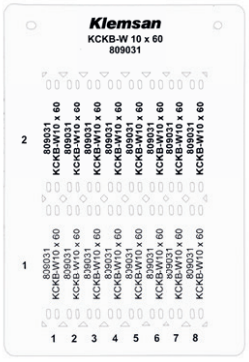
Snap On Cable - KCKG Series



KCKG-W 5x25.5

Order No	Product	Suitable Cable Diameter (mm²)	Print Area (mm)	Color	Qty.
809 061	KCKG-W 5x25.5	(0.75-1.5)	5x13	White	780
809 062	KCKG-W 7x26	(2.5-6)	7x12	White	660
809 063	KCKG-W 10x47.5	(6-16)	10x20	White	360
809 071	KCKG-Y 5x25.5	(0.75-1.5)	5x13	Yellow	780
809 072	KCKG-Y 7x26	(2.5-6)	7x12	Yellow	660
809 073	KCKG-Y 10x47.5	(6-16)	10x20	Yellow	360

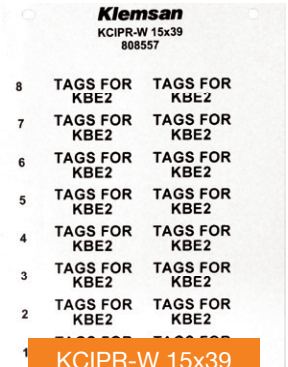
Label for Cable Tie - KCKB Series



KCKB-W 10x60

Order No	Product	Print Area (mm)	Cable Ø mm²	Cable Tie Hole Diameter (mm)	Color	Qty.
809 030	KCKB-W 20x25	11x25	2-10	5x2	White	400
809 031	KCKB-W 10x60	10x44	2-10	5x2	White	320
809 040	KCKB-Y 20x25	11x25	2-10	5x2	Yellow	400
809 041	KCKB-Y 10x60	10x44	2-10	5x2	Yellow	320

Non Adhesive Rigid Flat PVC Markers - KCIPR Series



KCIPR-W 15x39

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 556	KCIPR-W 8x29	8x29	White	45	900
808 557	KCIPR-W 15x39	15x39	White	16	320
808 557	KCIPR-W 9x20	9x20	White	75	1500
808 606	KCIPR-Y 8x29	8x29	Yellow	45	900
808 607	KCIPR-Y 15x39	15x39	Yellow	16	320
808 608	KCIPR-Y 9x20	9x20	Yellow	75	1500
808 656	KCIPR-S 8x29	8x29	Silver	45	900
808 657	KCIPR-S 15x39	15x39	Silver	16	320
808 658	KCIPR-S 9x20	9x20	Silver	75	1500



KBE 1



KBE 2



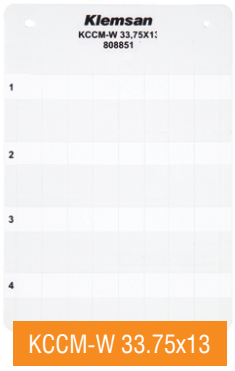
KBE 3

Selection Guide

Order No	Product	KCIPR 8x29	KCIPR 15x39	KCIPR 9x20
520 110	KBE 1	✓		
520 120	KBE 2		✓	
508 080	KBE 3			✓

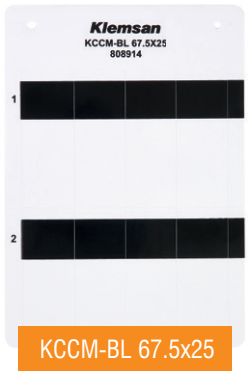
Marking For Cables

Adhesive Wrap Around Type Cable Markers - KCCM Series

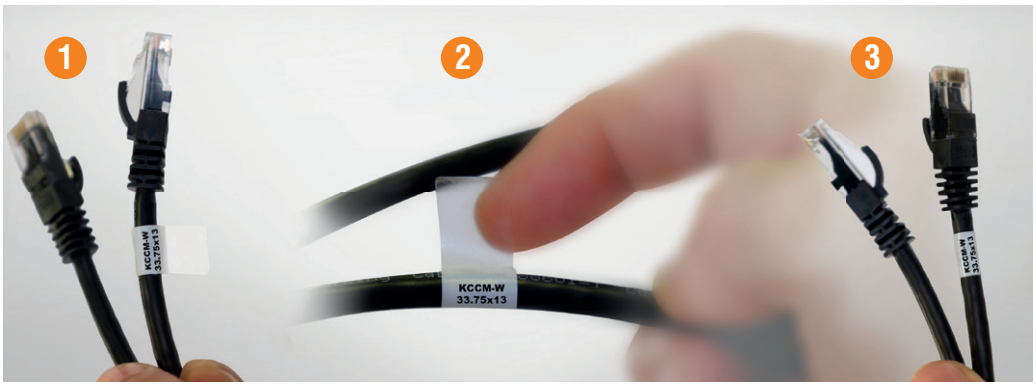






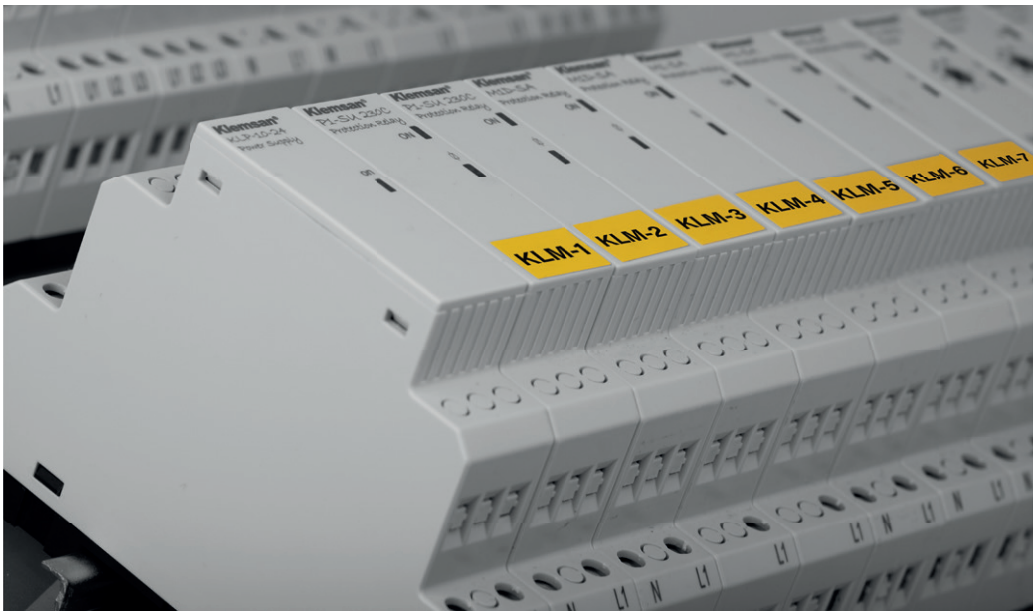






Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 851	KCCM-W 33.75x13	12x13	White	32	640
808 852	KCCM-W 67.5x25	19x25	White	8	160
808 853	KCCM-W 135x25	19x25	White	4	80
808 854	KCCM-R 33.75x13	12x13	Red	32	640
808 855	KCCM-R 67.5x25	19x25	Red	8	160
808 856	KCCM-R 135x25	19x25	Red	4	80
808 857	KCCM-B 33.75x13	12x13	Blue	32	640
808 858	KCCM-B 67.5x25	19x25	Blue	8	160
808 859	KCCM-B 135x25	19x25	Blue	4	80
808 860	KCCM-BR 33.75x13	12x13	Brown	32	640
808 861	KCCM-BR 67.5x25	19x25	Brown	8	160
808 862	KCCM-BR 135x25	19x25	Brown	4	80
808 863	KCCM-GR 33.75x13	12x13	Grey	32	640
808 864	KCCM-GR 67.5x25	19x25	Grey	8	160
808 865	KCCM-GR 135x25	19x25	Grey	4	80
808 901	KCCM-Y 33.75x13	12x13	Yellow	32	640
808 902	KCCM-Y 67.5x25	19x25	Yellow	8	160
808 903	KCCM-Y 135x25	19x25	Yellow	4	80
808 904	KCCM-G 33.75x13	12x13	Green	32	640
808 905	KCCM-G 67.5x25	19x25	Green	8	160
808 906	KCCM-G 135x25	19x25	Green	4	80
808 907	KCCM-P 33.75x13	12x13	Purple	32	640
808 908	KCCM-P 67.5x25	19x25	Purple	8	160
808 909	KCCM-P 135x25	19x25	Purple	4	80
808 910	KCCM-O 33.75x13	12x13	Orange	32	640
808 911	KCCM-O 67.5x25	19x25	Orange	8	160
808 912	KCCM-O 135x25	19x25	Orange	4	80
808 913	KCCM-BL 33.75x13	12x13	Black	32	640
808 914	KCCM-BL 67.5x25	19x25	Black	8	160
808 915	KCCM-BL 135x25	19x25	Black	4	80

Marking for Panel Surface and Components
Self Adhesive Vinly Markers - KCIP Series





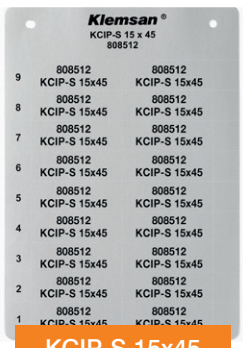
KCIP-W 8x20

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 488	KCIP-W 5x12	5x12	White	200	4000
808 489	KCIP-W 8x17.5	8x17.5	White	96	1920
808 490	KCIP-W 7x44	7x44	White	38	760
808 491	KCIP-W 10x17	10x17	White	78	1560
808 492	KCIP-W 9x12	9x12	White	120	2400
808 493	KCIP-W 6x15	6x15	White	154	3080
808 494	KCIP-W 9x15	9x15	White	90	1800
808 495	KCIP-W 8x20	8x20	White	80	1600
808 496	KCIP-W 9x35	9x35	White	45	900
808 497	KCIP-W 9x50	9x50	White	30	600



KCIP-Y 8x20

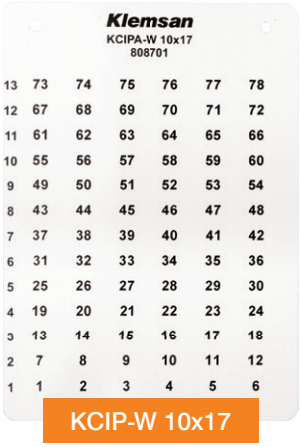
808 498	KCIP-Y 5x12	5x12	Yellow	200	4000
808 499	KCIP-Y 8x17,5	8x17,5	Yellow	96	1920
808 500	KCIP-Y 7x44	7x44	Yellow	38	760
808 501	KCIP-Y 10x17	10x17	Yellow	78	1560
808 502	KCIP-Y 9x12	9x12	Yellow	120	2400
808 503	KCIP-Y 6x15	6x15	Yellow	154	3080
808 504	KCIP-Y 9x15	9x15	Yellow	90	1800
808 505	KCIP-Y 8x20	8x20	Yellow	80	1600
808 506	KCIP-Y 9x35	9x35	Yellow	45	900
808 507	KCIP-Y 9x50	9x50	Yellow	30	600



KCIP-S 15x45

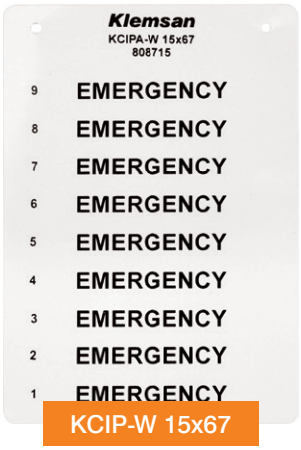
808 508	KCIP-S 12,5x27	12,5x27mm	Silver	600	30
808 509	KCIP-S 15x27	15x27mm	Silver	540	27
808 510	KCIP-S 18x27	18x27mm	Silver	420	21
808 511	KCIP-S 18x35	18x35mm	Silver	420	21
808 512	KCIP-S 15x45	15x45mm	Silver	360	18
808 513	KCIP-S 30x70	30x70mm	Silver	80	4
808 514	KCIP-S 40x90	40x90mm	Silver	60	3

Marking for Panel Surface and Components
Adhesive Flat PVC Markers - KCIPA-W Series



KCIP-W 10x17





KCIP-W 15x67

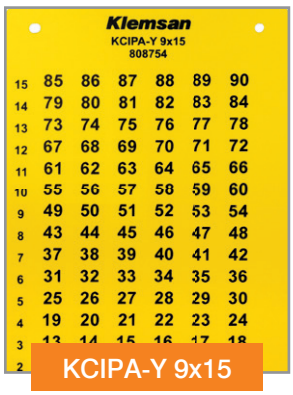


KCIP-W 105x130

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 701	KCIPA-W 10x17	10x17	White	78	1560
808 702	KCIPA-W 9x12	9x12	White	120	2400
808 703	KCIPA-W 6x15	6x15	White	154	3080
808 704	KCIPA-W 9x15	9x15	White	90	1800
808 705	KCIPA-W 8x20	8x20	White	80	1600
808 706	KCIPA-W 9x35	9x35	White	45	900
808 707	KCIPA-W 9x50	9x50	White	30	600
808 708	KCIPA-W 8x27	8x27	White	48	960
808 709	KCIPA-W 12.5x27	12,5x27	White	30	600
808 710	KCIPA-W 15x27	15x27	White	27	540
808 711	KCIPA-W 18x27	18x27	White	21	420
808 712	KCIPA-W 27x27	27x27	White	15	300
808 713	KCIPA-W 18x35	18x35	White	21	420
808 714	KCIPA-W 15x50	15x50	White	18	360
808 715	KCIPA-W 15x67	15x67	White	9	180
808 716	KCIPA-W 50x100	50x100	White	2	40
808 717	KCIPA-W 105x130	105x130	White	1	20
808 718	KCIPA-W 75x100	75x100	White	1	20
808 719	KCIPA-W 30x60	30x60	White	4	80
808 720	KCIPA-W 40x80	40x80	White	3	60

Marking for Panel Surface and Components

Adhesive Flat PVC Markers - KCIPA-Y Series



KCIPA-Y 9x15





KCIPA-Y 50x100

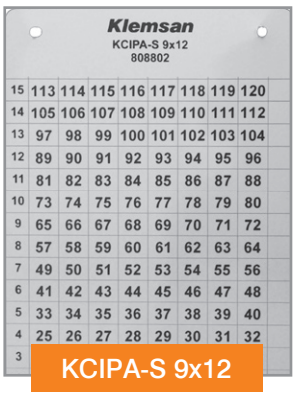


KCIPA-Y 105x130

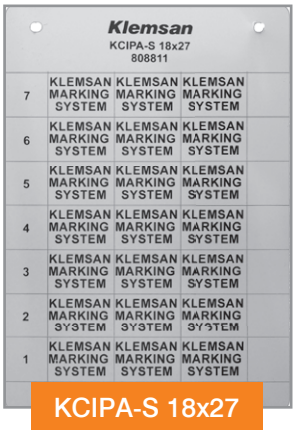
Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 751	KCIPA-Y 10x17	10x17	Yellow	78	1560
808 752	KCIPA-Y 9x12	9x12	Yellow	120	2400
808 753	KCIPA-Y 6x15	6x15	Yellow	154	3080
808 754	KCIPA-Y 9x15	9x15	Yellow	90	1800
808 755	KCIPA-Y 8x20	8x20	Yellow	80	1600
808 756	KCIPA-Y 9x35	9x35	Yellow	45	900
808 757	KCIPA-Y 9x50	9x50	Yellow	30	600
808 758	KCIPA-Y 8x27	8x27	Yellow	48	960
808 759	KCIPA-Y 12.5x27	12,5x27	Yellow	30	600
808 760	KCIPA-Y 15x27	15x27,5	Yellow	27	540
808 761	KCIPA-Y 18x27	18x27	Yellow	21	420
808 762	KCIPA-Y 27x27	27x27	Yellow	15	300
808 763	KCIPA-Y 18x35	18x35	Yellow	21	420
808 764	KCIPA-Y 15x50	15x50	Yellow	18	360
808 765	KCIPA-Y 15x67	15x67	Yellow	9	180
808 766	KCIPA-Y 50x100	50x100	Yellow	2	40
808 767	KCIPA-Y 105x130	105x130	Yellow	1	20
808 768	KCIPA-Y 75x100	75x100	Yellow	1	20
808 769	KCIPA-Y 30x60	30x60	Yellow	4	80
808 770	KCIPA-Y 40x80	40x80	Yellow	3	60

Marking for Panel Surface and Components

Adhesive Flat PVC Markers - KCIPA-S Series



KCIPA-S 9x12



KCIPA-S 18x27



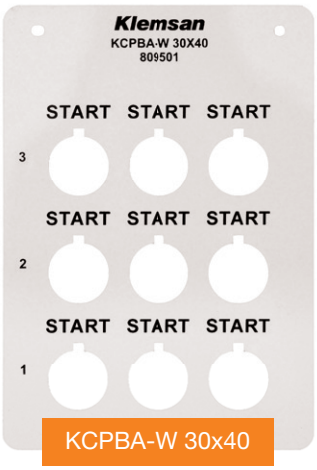
KCIPA-S 30x60



Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 801	KCIPA-S 10x17	10x17	Silver	78	1560
808 802	KCIPA-S 9x12	9x12	Silver	120	2400
808 803	KCIPA-S 6x15	6x15	Silver	154	3080
808 804	KCIPA-S 9x15	9x15	Silver	90	1800
808 805	KCIPA-S 8x20	8x20	Silver	80	1600
808 806	KCIPA-S 9x35	9x35	Silver	45	900
808 807	KCIPA-S 9x50	9x50	Silver	30	600
808 808	KCIPA-S 8x27	8x27	Silver	48	960
808 809	KCIPA-S 12.5x27	12,5x27	Silver	30	600
808 810	KCIPA-S 15x27	15x27,5	Silver	27	540
808 811	KCIPA-S 18x27	18x27	Silver	21	420
808 812	KCIPA-S 27x27	27x27	Silver	15	300
808 813	KCIPA-S 18x35	18x35	Silver	21	420
808 814	KCIPA-S 15x50	15x50	Silver	18	360
808 815	KCIPA-S 15x67	15x67	Silver	9	180
808 816	KCIPA-S 50x100	50x100	Silver	2	40
808 817	KCIPA-S 105x130	105x130	Silver	1	20
808 818	KCIPA-S 75x100	75x100	Silver	1	20
808 819	KCIPA-S 30x60	30x60	Silver	4	80
808 820	KCIPA-S 40x80	40x80	Silver	3	60

Marking for Panel Surface and Components

Marking For Buttons



KCPBA-W 30x40

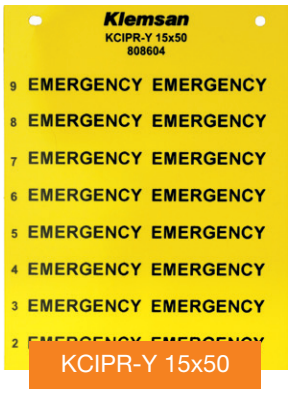


Order No	Product	Size	Print Area (mm)	Color	Qty.
809 501	KCPBA-W	30x40	30x12	White	180
809 502	KCPBA-W	30x50	30x20	White	120
809 511	KCPBA-Y	30x40	30x12	Yellow	180
809 512	KCPBA-Y	30x50	30x20	Yellow	120
809 521	KCPBA-S	30x40	30x12	Silver	180
809 522	KCPBA-S	30x50	30x20	Silver	120

Non Adhesive Rigid Flat PVC Markers - KCIPR series



KCIPR-W 15x67



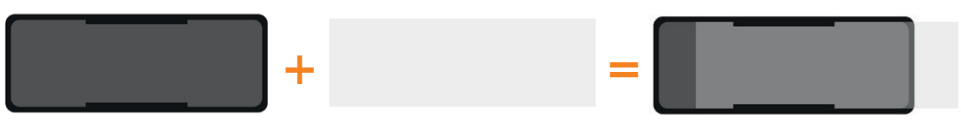
KCIPR-Y 15x50

Order No	Product	Print Area (mm)	Color	Labels per Card	Labels per Pack
808 551	KCIPR-W 15x27	15x27	White	27	540
808 552	KCIPR-W 18x27	18x27	White	21	420
808 554	KCIPR-W 15x50	15x50	White	18	360
808 555	KCIPR-W 15x67	15x67	White	8	180
808 601	KCIPR-Y 15x27	15x27	Yellow	27	540
808 602	KCIPR-Y 18x27	18x27	Yellow	21	420
808 604	KCIPR-Y 15x50	15x50	Yellow	18	360
808 605	KCIPR-Y 15x67	15x67	Yellow	9	180
808 651	KCIPR-S 15x27	15x27	Silver	27	540
808 652	KCIPR-S 18x27	18x27	Silver	21	420
808 654	KCIPR-S 15x50	15x50	Silver	18	360
808 655	KCIPR-S 15x67	15x67	Silver	9	180

Tag Holders Selection Guide



Order No	Product	KCIPR 15x27	KCIPR 15x50	KCIPR 15x67
509 600	Y-PER 1730	✓		
509 601	Y-PER 1752		✓	
509 602	Y-PER 1770			✓
509 700	Y-PBR S	✓		
509 701	Y-PBR T	✓		



Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
AVK 2,5										●								
AVK 4											●							
AVK 6												●						
AVK 10													●					
AVK 16													●	●				
AVK 50																●		●
AVK 70 RD																●		●
AVK 95																●		●
AVK 150																●		●
AVK 240																●		●
AVK 2,5 RD										●								
AVK 4 RD											●							
AVK 16 RD													●	●				
AVK 25 RD													●	●				
AVK 35 RD													●	●	●			
AVK 50T																●		●
AVK 2,5T RD										●								
AVK 4 T RD											●							
AVK 16 T RD													●	●				
AVK 35 T RD													●	●	●			
AVK PB 50																●		●
AVK PB 70 RD																●		●
AVK PB 95																●		●
AVK PB 150																●		●
AVK PB 240																●		●
AVK 95 B													●					
AVK 150 B													●	●				
AVK 240 B													●	●	●			
AVK 2,5 CC										●								
AVK 4 GD			●								●							
AVK 10 RD 4													●					
AVK 2,5 F										●								
AVK 2,5 CF										●								
AVK 2,5 A										●								●
AVK 2,5R										●								●
AVK 2,5RT										●								●
AVK SKT			●															
AVK SKTD			●															
AVK AS											●							
AVK ASD											●							
AVK 2,5 CCT										●								
AVK 10 T RD 4													●					
AVK 2,5 EA										●								
AVK 2,5 CCA										●								
AVK 4 FS			●															
AVK 2,5-4TK											●							
AVK 4A											●							●
AVK 4CC											●							
AVK 4CCA											●							
AVK 4CE											●							
AVK 4CEA											●							
AVK Y4																		●
AVK Y6												●						●
AVK Y10													●					●
AVK 4R											●							●
AVK 4RT											●							●
AVK 6TK												●						
AVK 10TK													●					
AVK 35 IRDS													●	●	●			
AVK 35 RDS													●	●	●			
AVK 35T IRDS													●	●	●			
AVK 35T RDS													●	●	●			
MVK 2,5			●															
MVK 4			●															

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
MVK 2,5 T			●															
MVK 4 T			●															
PIK 2,5 N										●								
PIK 2,5 NK										●								
PIK 2,5 ND-A										●								
PIK 2,5 ND-B										●								
PIK 2,5 NLD										●								
PIK 4 N											●							
PIK 4 NK											●							
PIK 4 ND-A											●							
PIK 4 ND-B											●							
PIK 4 NLD											●							
PIK 2,5 NT										●								
PIK 4 NT											●							
PUK 3			●															
PUK 2 T			●															
PUK 3 T			●															
PUK 3 S			●															
PUK 3 SLD (NPN)			●															
PUK 3 SLD (PNP)			●															
ASK 2 B							●											
ASK 2 S							●											
ASK 4 B												●						
ASK 4 S												●						
ASK 4 LD												●						
ASK 5												●						
ASK 5B												●						
ASK 5 LD												●						
ASK 2 LD							●											
PYK 1,5 M		●																●
PYK 1,5		●															●	●
PYK 2,5										●							●	●
PYK 4											●						●	●
PYK 6												●					●	●
PYK 10													●				●	●
PYK 1,5 MT		●																●
PYK 2,5 T										●							●	●
PYK 4 T											●						●	●
PYK 6 T												●					●	●
PYK 10 T													●				●	●
PYK 2,5-2 F										●							●	●
PYK 2,5-2 FK										●							●	●
PYK 2,5 - 2 FLD										●							●	●
PYK 4 - 2 F											●						●	
PYK 2,5 - 2 FD A										●							●	●
PYK 2,5 - 2 FD B										●							●	●
PYK 2,5 - 3 F										●							●	●
PYK 2,5 - 2 FT										●							●	●
PYK 2,5 - 3 FT										●							●	●
PYK 3 S										●							●	
PYK 3 SLD (NPN)										●							●	
PYK 3 SLD (PNP)										●							●	
PYK 4 S												●					●	
PYK 4 I												●					●	
PYK 4 ILD												●					●	
PYK 4 SLD												●					●	
PYK 2,5 A										●							●	●
PYK 2,5 EA										●							●	●
PYK 2,5 CCA										●							●	●
PYK 2,5 E										●							●	●
PYK 2,5 ET										●							●	●
PYK 1,5 MC		●																
PYK 1,5 MCT		●																
PYK 1,5 ME		●																

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
PYK 1,5 MET		●																
PYK 2,5 C										●							●	●
PYK 2,5 CT										●							●	●
PYK 4 E											●						●	●
YBK 2,5										●								
YBK 4											●							
YBK 6												●						
YBK 10													●					
YBK 2,5 T										●								
YBK 4 T											●							
YBK 6 T												●						
YBK 10 T													●					
MYK 2,5			●															
MYK 2,5 C			●															
MYKR 2,5			●															
MYKR 2,5 C			●															
MYK 2,5 T			●															
MYPK 2,5			●															
MYPK 2,5 C			●															
MYSK 2,5			●															
YBK 2,5-2 F			●															
YBK 2,5-2 FK			●															
YBK 2,5-2 FD-A			●															
YBK 2,5-2 FD-B			●															
YBK 2,5-2 FLD			●															
YBK 4-2 F											●							
YBK 4-2 FK											●							
YBK 4-2 FD-A											●							
YBK 4-2 FD-B											●							
YBK 4-2 FLD											●							
YBK 2,5-3 F			●															
YBK 2,5-2 FT			●															
YBK 2,5-3 FLD (NPN)			●															
YBK 2,5-3 FLD (PNP)			●															
YBK 3 S			●															
YBK 3 SLD (NPN)			●															
YBK 3 SLD (PNP)			●															
YBK S			●															
YBK SB			●															
YBK SLD			●															
YBK 2,5 A										●								
YBK I			●															
YBK IB			●															
YBK ILD			●															
YBK 2,5 E										●								
YBK 2,5 C										●								
YBK 2,5 CX2										●								
YBK 2,5 CD										●								
YBK 2,5 CLD										●								
YBK 2,5 CT										●								
YBK 2,5 ET										●								
PCY 2,5			●															
PCY 2,5 N			●															
PCY 2,5 E			●															
PCY 2,5 L			●															
PCY 2,5 EL			●															
PB 2,5											●							
PB 2,5T											●							
PB 2,5K											●							
PB 6												●						
PB 6K												●						
PB 25_M5													●					
PB 25_M6													●					
PB 6 T												●						

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
CPB 6			●															
CPB 6B			●															
WGO 1												●						
WGO 2 N													●					●
WGO 2 IR													●					●
WGO 3												●						
WGO 4												●						●
WGO 5												●						●
WGL 1												●						
WGO Y 6												●						●
WGO YD 6												●						●
WGO PB 6												●						●
WGO PBD 6												●						●
PYKM 2,5			●															●
PYKM 2,5 T			●															●
PYKMR 2,5			●															●
AYK 10/16			●															
TRV 4 S			●															
WG - Eki											●							
PTP 2,5				●														●
PTP 2,5T				●														●
CTP 2,5				●														●
CTP 2,5T				●														●
CTP 2,5E				●														●
CTP 2,5ET				●														●
CTP 2,5C				●														●
CTP 2,5CT				●														●
CTP 2,5EA				●														●
CTP 2,5-2F				●													●	●
CTP 2,5-FT				●													●	●
CTP 2,5-2T				●													●	●
CTP 2,5-FK				●													●	●
SG_PT 2,5				●													●	
SG_PT 2,5CS				●													●	
SG_PT 2,5DB				●													●	
SG_PT 2,5AN				●													●	
SC_PT 2,5				●													●	
SC_PTS 2,5				●													●	
SC_PTR 2,5				●													●	
SRD 2,5				●														●
SRD 2,5D-A				●														●
SRD 2,5D-B				●														●
SRD 2,5E				●														●
SRD 2,5ED-A				●														●
SRD 2,5ED-B				●														●
SRD 2,5C				●														●
SRD 2,5CD-A				●														●
SRD 2,5CD-B				●														●
SRD 2,5Cx2				●														●
SRD 2,5CLD-24VDC				●														●
SRD 2,5CLD-24VAC				●														●
SRD 2,5CLD-48VDC				●														●
SRD 2,5CLD-48VAC				●														●
SRD 2,5CLD-110VDC				●														●
SRD 2,5CLD-110VAC				●														●
SRD 2,5CLD-220VDC				●														●
SRD 2,5CLD-220VAC				●														●
SRD 2,5A				●														●
SRD 2,5AD-A				●														●
SRD 2,5AD-B				●														●
SRD 2,5AK				●														●
SRD 2,5EA				●														●
SRD 2,5EAD-A				●														●
SRD 2,5EAD-B				●														●

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
SRD 2,5EAK				●														●
SRD 2,5CA				●														●
SRD 2,5CAD-A				●														●
SRD 2,5CAD-B				●														●
SRD 2,5CAK				●														●
SRD 2,5-2F				●													●	
SRD 2,5-2FD-A				●													●	
SRD 2,5-2FD-B				●													●	
SRD 2,5-2FD-R				●													●	
SRD 2,5-2FLD-24VDC				●													●	
SRD 2,5-2FLD-24VAC				●													●	
SRD 2,5-2FLD-48VDC				●													●	
SRD 2,5-2FLD-48VAC				●													●	
SRD 2,5-2FLD-110VDC				●													●	
SRD 2,5-2FLD-110VAC				●													●	
SRD 2,5-2FLD-220VDC				●													●	
SRD 2,5-2FLD-220VAC				●													●	
SRD 2,5-F2D-A				●													●	
SRD 2,5-F2D-B				●													●	
SRD 2,5-FD-L				●													●	
SRD 2,5-FN				●													●	
SRD 2,5-2FK				●													●	
SRD 2,5-FT				●													●	
SRD 2,5-NT				●													●	
SRD 2,5-3F				●													●	
SRD 2,5-3FK				●													●	
SRD 2,5-2KF				●													●	
SRD 2,5-3FLD-24VDC				●													●	
SRD 2,5-3FLD-48VDC				●													●	
SRD 2,5-3FLD-110VDC				●													●	
SRD 2,5-3FLD-220VDC				●													●	
SRD 2,5-2FT				●													●	
SRD 3S				●													●	
SRD 3SLD-NPN				●													●	
SRD 3SLD-PNP				●													●	
SRD 4					●													●
SRD 4D_A					●													●
SRD 4D_B					●													●
SRD 4T					●													●
SRD 4E					●													●
SRD 4ED_A					●													●
SRD 4ED_B					●													●
SRD 4ET					●													●
SRD 4C					●													●
SRD 4CD_A					●													●
SRD 4CD_B					●													●
SRD 4Cx2					●													●
SRD 4CLD-24VDC					●													●
SRD 4CLD-24VAC					●													●
SRD 4CLD-48VDC					●													●
SRD 4CLD-48VAC					●													●
SRD 4CLD-110VDC					●													●
SRD 4CLD-110VAC					●													●
SRD 4CLD-220VDC					●													●
SRD 4CLD-220VAC					●													●
SRD 4CT					●													●
SRD 4A					●													●
SRD 4AD_A					●													●
SRD 4AD_B					●													●
SRD 4AK					●													●
SRD 4-2F					●												●	
SRD 4-2FD-A					●												●	
SRD 4-2FD-B					●												●	
SRD 4-2FD-R					●												●	

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
SRD 4-2FLD-24VDC					●												●	
SRD 4-2FLD-24VAC					●												●	
SRD 4-2FLD-48VDC					●												●	
SRD 4-2FLD-48VAC					●												●	
SRD 4-2FLD-110VDC					●												●	
SRD 4-2FLD-110VAC					●												●	
SRD 4-2FLD-220VDC					●												●	
SRD 4-2FLD-220VAC					●												●	
SRD 4-F2D-A					●												●	
SRD 4-F2D-B					●												●	
SRD 4-2FD-L					●												●	
SRD 4-FN					●												●	
SRD 4-FK					●												●	
SRD 4-FT					●												●	
SRD 4-NT					●												●	
SRD 4-2T					●												●	
SRD 4-AF					●												●	
SRD 4S					●													
SRD 6							●					●						●
SRD 6E							●					●						●
SRD 6T							●					●						●
SRD 6ET							●					●						●
SRD 10								●					●					●
SRD 10E								●					●					●
SRD 10T								●					●					●
SRD 10ET								●					●					●
SRD 16									●					●				●
SRD 16T									●					●				●
CPB 6U			●															
SRD 4FS					●												●	
SRD 1,5		●																●
SRD 1,5E		●																●
SRD 1,5C		●																●
SRD 1,5 FT		●															●	
SRD 1,5-2F		●															●	
SRD 1,5T		●																●
SRD 1,5ET		●																●
SRD 1,5CT		●																●
SRD 1,5-2T		●															●	
PAK 25-35														●				●
PAK 50-70														●				●
PAK 95-150														●	●			●
PAK 185-240														●	●			●
PAK 300														●	●			●
SRD 2,5ME				●													●	
SRD 2,5MC				●													●	
SRD 2,5 MET				●													●	
FS 4											●							
VFS 4											●							
TST 1.5		●																
TST 2.5				●														
TST 4					●													
AVK 4 FST/NM			●															
AVK 4 FSTLD/NM 24V			●															
AVK 4 FSTLD/NM 48V			●															
AVK 4 FSTLD/NM 110V			●															
AVK 4 FSTLD/NM 220V			●															
PRD 1	●																	●
PRD 1E	●																	●
PRD 1C	●																	●
PRD 1FT	●																●	
PRD 1-2F	●																●	
PRD 1T	●																	●
PRD 1ET	●																	●

Product Name	D-NS 3,6x6	D-NS 4,2x6	D-NS 5x6	D-NS 5,2x6	D-NS 6,2x6	D-NS 7x5	D-NS 8x6	D-NS 10x6	D-NS 12x6	D-NS 5x10	D-NS 6x10	D-NS 8x10	D-NS 10x10	D-NS 12x10	D-NS 14x10	D-NS 20x9	4,9mm Strip Label	11,2mm Strip Label
PRD 1CT	●																	●
PRD 1-2T	●																●	
PRD 2,5				●														●
PRD 2,5D_A				●														●
PRD 2,5D_B				●														●
PRD 2,5E				●														●
PRD 2,5ED-A				●														●
PRD 2,5ED-B				●														●
PRD 2,5C				●														●
PRD 2,5CD-A				●														●
PRD 2,5CD-B				●														●
PRD 2,5Cx2				●														●
PRD 2,5A				●														●
PRD 2,5AK				●														●
PRD 2,5EA				●														●
PRD 2,5EAD-A				●														●
PRD 2,5EAD-B				●														●
PRD 2,5EAK				●														●
PRD 2,5CA				●														●
PRD 2,5CAD-A				●														●
PRD 2,5CAD-B				●														●
PRD 2,5CAK				●														●
PRD 2,5-2F				●													●	
PRD 2,5-2FD-A				●													●	
PRD 2,5-2FD-B				●													●	
PRD 2,5-2FD-R				●													●	
PRD 2,5-2FD-L				●													●	
PRD 2,5-F2D-A				●													●	
PRD 2,5-F2D-B				●													●	
PRD 2,5-F2D-C				●													●	
PRD 2,5-2FK				●													●	
PRD 2,5-FN				●													●	
PRD 2,5-FT				●													●	
PRD 2,5-NT				●													●	
PRD 2,5-3F				●													●	
PRD 2,5-3FK				●													●	
PRD 2,5-2KF				●													●	
PRD 2,5-3FLD-24VDC				●													●	
PRD 2,5-3FLD-48VDC				●													●	
PRD 2,5-3FLD-110VDC				●													●	
PRD 2,5-3FLD-220VDC				●													●	
PRD 2,5-2FT				●													●	
PRD 2,5-NFT				●													●	
PRD 2,5-3S				●													●	
PRD 2,5-3SLD-NPN				●													●	
PRD 2,5-3SLD-PNP				●													●	
PRD 2,5-2ST				●													●	
PRD 2,5T				●														●
PRD 2,5ET				●														●
PRD 2,5CT				●														●
PRD 2,5-2T				●													●	
PRD 2,5-3T				●													●	
PRD 2,5AA				●													●	
PRD 2,5-M2F				●													●	
PRD 2,5-M2FT				●													●	
PRD 2,5-2FC				●													●	
PRD 2,5-2FCT				●													●	
PRD 2,5PC				●														●
PRD 2,5-2FPC				●													●	
TRV 4						●												
TRV 4 B						●												
TRV 4 M						●												
TRV 4 S						●												
TRV 4 T						●												
TRV 10						●												

Thermal Roll Printer and Labeling Solutions

TE300 Series



TE Series - Thermal Roll Printing

Order No	Product	Hardware Connectivity
808 479	TE 300 (300 DPI)	USB
808 480	TE 310 (300 DPI)	USB, Ethernet, Serial RS-232, USB Host

TE Series has the same system as KLeCard – Thermal transfer system. TE Series is designed for roll form tags and labels whereas Klecard is designed for card shape media. TE Series labels are required to be polyester, paper or any kind of soft material which can easily pass through the thermal printhead. TE Series is the fastest and easiest way for high volume roll form labels printing with 300 dpi resolution. Three different sizes of black resin ribbons can be used with this printer.



Terminal blocks, cables, panel components, buttons, heat shrinkable sleeves and many more products can be marked with our TE Series Printer thanks to our marking software Klemark-Pro.

TE Series Hardware Features

Next generation high-performance TE Series desktop thermal printer, brings new standards in thermal printing and offers greater performance, compared to other printers in his field. The 4 inch series can simply print anything, tiny little symbols, numbers, graphics and barcodes for your applications; from cable marking with the smallest dimensions up to information cards for machine identification. Create high-quality, fast and durable labels for your marking needs.

1) Print speed up to 204 mm (8 inch) per second
2) 128 MB flash and 64 MB SDRAM memory
3) User-friendly, double-walled folding design
4) Serial cable, internal Ethernet,
5) USB 2.0 & USB Host standard
6) 300 meter ribbon compatible
7) ENERGY STAR®qualified

High Availability
Quick setup
Economic Printing



The printer offers the following optional features.

TE Series	User options	Dealer options	Factory options
Extended plate for external roll mount assembly with 3" core label spindle (8.4 OD)	•		
Internal Bluetooth v4.0			•

For TE 310 Series only	User options	Dealer options	Factory options
KP-200 Plus (with RS-232 interface)	•		
External BT module (with RS-232 interface)	•		
Peeler module		•	
Regular full cut cutter (Guillotine cutter) Media thickness: 0.06~0.19 mm Media type: receipt and label liner w/o glue		•	
Regular full/partial cutter (Guillotine cutter) Media thickness: 0.06~0.19 mm Media type: receipt and label liner w/o glue		•	
Internal Wi-Fi module			•

Features

Product standard features	TE300	TE310
Order No	808 479	808 480
Thermal transfer printing	●	●
Direct thermal printing	●	●
Plastic	●	●
Gap sensor	●	●
Reflective, full-range moveable black mark sensor	●	●
Ribbon sensor	●	●
Head open sensor	●	●
USB 2.0 (Hi-Speed) interface	●	●
16 MB DRAM memory	●	–
64 MB DRAM memory	–	●
8 MB Flash memory	●	–
128 MB Flash memory	–	●
RTC	–	●
BUZZER	–	●
One button for feed and pause	●	●
One LED indicator for 3 colors	●	●
Standard industry emulations right out of the box including Eltron® and Zebra® language support	●	●
Internal 8 alpha-numeric bitmap fonts	●	●
Fonts and bar codes can be printed in any one of the four directions (0, 90,180, 270 degrees)	●	●
Internal Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font	●	●
Downloadable fonts from PC to printer memory	●	●
Downloadable firmware upgrades	●	●
General Specifications		
Dimensions	204 mm (W) x 164 mm (H) x 280 mm (L)	
Weight	2.4 kg	2.5 kg
Electrical	External universal switching power supply Input: AC 100-240V, 2A, 50-60 Hz Output: DC 24V, 2.5A, 60W, LPS	
Environmental condition	Operation: 5 ~ 40˚C (41 ~ 104˚F), 25~85% non-condensing Storage: -40 ~ 60 ˚C (-40 ~ 140˚F), 10~90% non-condensing	
Print Specifications		
Print head resolution	300 dots/inch (12 dots/mm)	
Printing method	Thermal transfer and direct thermal	
Dot size (width x length)	0.084 x 0.084 mm (1 mm = 11.8 dots)	
Print speed (inches per second)	Up to 5 ips Up to	Up to 5 ips
Print speed for peel mode	N/A	Up to 3 ips
Max. print width	105.7 mm (4.16”)	105.7 mm (4.16”)
Max. print length	1,016 mm (40”)	11,430 mm (450”)
Media Specifications		
Label roll capacity	Max. 5” OD	
Media type	Continuous, die-cut, black mark, fan-fold, notch	
Media wound type	Outside wound	
Media width	20mm ~ Max. 112 mm	
Media thickness	0.06 mm (2.36 mil) ~ 0.19 mm (7.48 mil)	
Media core diameter	1” (25.4 mm) & 1.5” (38 mm) ID core	
Label length	5 mm ~ Max. printing length	
Label length (peeler mode)	N/A	1” ~ 6” (25.4 ~ 152.4 mm)
Label length (cutter mode)	N/A	1” ~ Max. printing length
Gap height	Min. 2 mm (0.09”)	
Black mark height	Min. 2 mm (0.09”)	
Black mark width	Min. 8 mm (0.31”)	
Ribbon Specifications		
Ribbon outside diameter	1î core: Max. 67mm	
	0.5î core: Max. 40mm	
Ribbon length	1î inner core: 300 meters	
	0.5î inner core: 110 meters	
Ribbon core inside diameter	0.5 and 1 inch	
Ribbon width	30 ~ 110 mm	
Ribbon wound type	Outside wound	

TE Series Printer and Accessories

Ribbons

1) Thermal transfer film (ribbon) and labelling material
2) Thermal transfer head
3) Printed label
4) Pressing roller
5) Used thermal transfer film (ribbon)



Order No	Product	Size	Color	Qty.
1020 010	Klemark Ribbon	30 mm x 300 m	Black	1
1020 011	Klemark Ribbon	50 mm x 300 m	Black	1
1020 012	Klemark Ribbon	110 mm x 300 m	Black	1
1020 013	Klemark Ribbon	40 mm x 300 m	Black	1

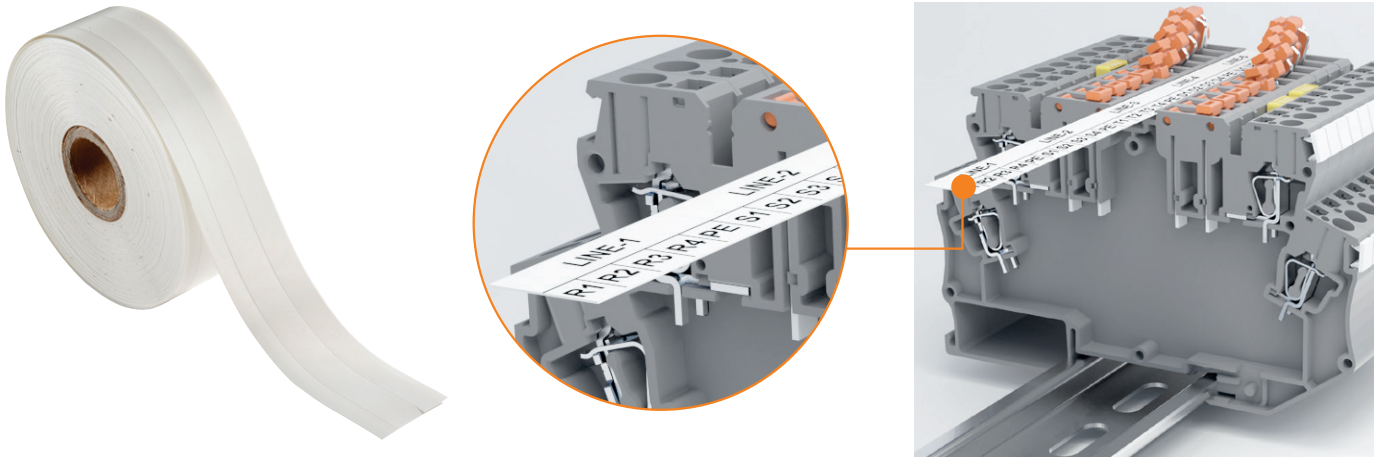
* Ribbon code **1020 013** is compatible with **HSL Heatshrink Tubing.**

Marking for Terminal Blocks



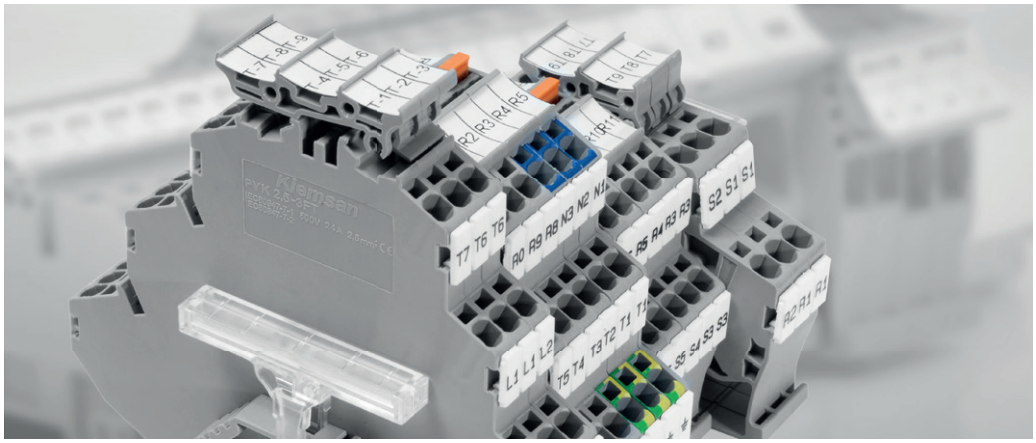
Order No	Product	Size	Color	Qty.
1020 100	SLF - P1 W	11,2 mm x 15 m	White	1
1020 110	SLF - P2 W	4,9 mm x 15 m	White	1

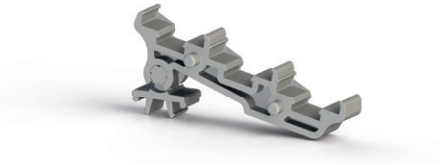
* See page **332 - 338** for **Terminal Blocks** selection guide.

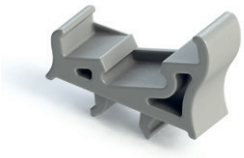


Marking for Terminal Blocks

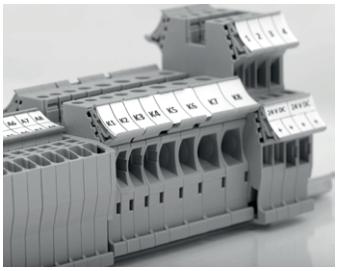
Group Marking Carrier











Order No	Product	Description	Compatible with	Color	Qty.
498 210	ETS 2 PYK 2,5	Group Marking Carrier (two levels)	PYK 2,5 - 2 F / PYK 2,5 - 2 FK / PYK 2,5 - 3 F /PYK 2,5 - 2 FT / PYK 2,5 - 3 FT / PYK 2,5 2 FLD	Beige	50
498 219	ETS 2 PYK 2,5	Group Marking Carrier (two levels)	PYK 2,5 - 2 F / PYK 2,5 - 2 FK / PYK 2,5 - 3 F /PYK 2,5 - 2 FT / PYK 2,5 - 3 FT / PYK 2,5 2 FLD	Grey	50
498 217	ETS 2 PYK 2,5	Group Marking Carrier (two levels)	PYK 2,5 - 2 F / PYK 2,5 - 2 FK / PYK 2,5 - 3 F /PYK 2,5 - 2 FT / PYK 2,5 - 3 FT / PYK 2,5 2 FLD	Orange	50
498 220	ETS 3 PYK 2,5	Group Marking Carrier (three levels)	PYK 2,5 - 3 F / PYK 2,5 - 2 FT / PYK 2,5 - 3 FT	Beige	50
498 229	ETS 3 PYK 2,5	Group Marking Carrier (three levels)	PYK 2,5 - 3 F / PYK 2,5 - 2 FT / PYK 2,5 - 3 FT	Grey	50
498 227	ETS 3 PYK 2,5	Group Marking Carrier (three levels)	PYK 2,5 - 3 F / PYK 2,5 - 2 FT / PYK 2,5 - 3 FT	Orange	50
498 230	ETS 2 PYK 4	Group Marking Carrier (two levels)	PYK 4 - 2FN	Beige	25
498 239	ETS 2 PYK 4	Group Marking Carrier (two levels)	PYK 4 - 2FN	Grey	25
498 237	ETS 2 PYK 4	Group Marking Carrier (two levels)	PYK 4 - 2FN	Orange	25
498 289	ETS	Group Marking Carrier for Screw Terminals	AVK 2,5, AVK 10, AVK 4, AVK 6, AVK 25 RD, AVK 35 RDS, AVK 35 IRDS, AVK 16 RD, AVK 16, AVK 35 RD, AVK 2,5 / 4 TK, AVK 6 TK, AVK 10 TK, AVK 35 T RD, AVK 35 T RDS, AVK 35 T IRDS, AVK 2,5 RD, AVK 4 RD, AVK 2,5 CC, AVK 2,5 T RD, AVK 4 T RD, AVK 2,5 CCT, AVK 4 CCT, AVK 10 T RD 4, AVK 10 RD 4, AVK 4 CC, AVK 2,5 F, AVK 2,5 CF, AVK 95B, AVK 150B, AVK 240B, PIK 2,5 N, PIK 2,5 NT, PIK 4N, PIK 4 NT, ASK 3 A, AVK 2,5 CCA, AVK 4 CCA, ASK 4 B, WGO 3, WGO 1, WGL 1, YBK 2,5, YBK 4, YBK 6, YBK 10, YBK 2,5 T, YBK 4 T,YBK 6 T, YBK 10 T, YBK 2,5 A, YBK 2,5 E, YBK 2,5 C, YBK 2,5 CT, YBK 2,5 ET	Grey	100

Marking for Cables

Cable Markers - TTKP Series



Order No	Product	Print Area (mm)	Color	Labels per Line	Qty.
808 158	TTKP 8x10	4x10	Yellow / White	4	4.000
808 159	TTKP 8x15	4x15	Yellow / White	4	4.000
808 160	TTKP 8x30	4x30	Yellow/ White	2	2.500

* TTKP labels are double colored.

Transparent Holders For Cable Markers - KCKKS Series



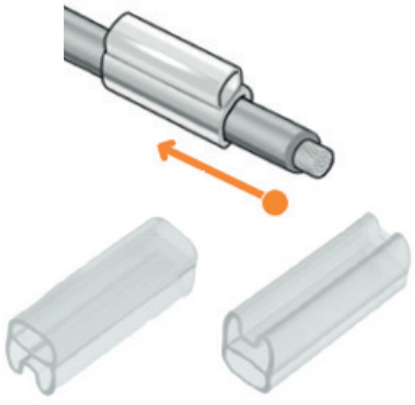
1. Mark the signs on the perforation line.



2. Fold it on the crease line and slide it into label holder.



3. The flexible material optimally adapts to the selected mounting support.



TAG HOLDERS SELECTION GUIDE			
Products	TTKP 8x10	TTKP 8x15	TTKP 8x30
KCKKS 10	✓		
KCKKS 15		✓	
KCKKS 30			✓

Marking for Cables

PVC Markers - I-KBE Series





1. Mark the signs on the perforation line.



2. Fold it on the crease line and slide it into KBE label holder to placed.



3. Close the label carrier and attach to the cable using a cable tie.

Order No	Product	Print Area (mm)	Color	Qty.
808 164	I-KBE1 29x8 Y/W	29x8	Yellow / White	1.000
808 165	I-KBE2 39x15 Y/W	39x15	Yellow / White	1.000

* I-KBE labels are double colored.

Selection Guide

Order No	Product	I-KBE 1	I-KBE 2
520 110	KBE 1	✓	
520 120	KBE 2		✓

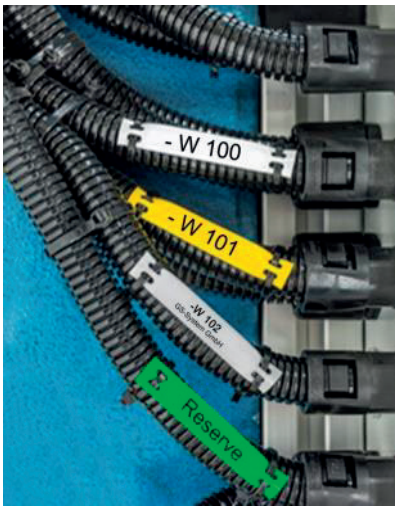


KBE 1



KBE 2

Cable Labels (Use With Cable Tie)

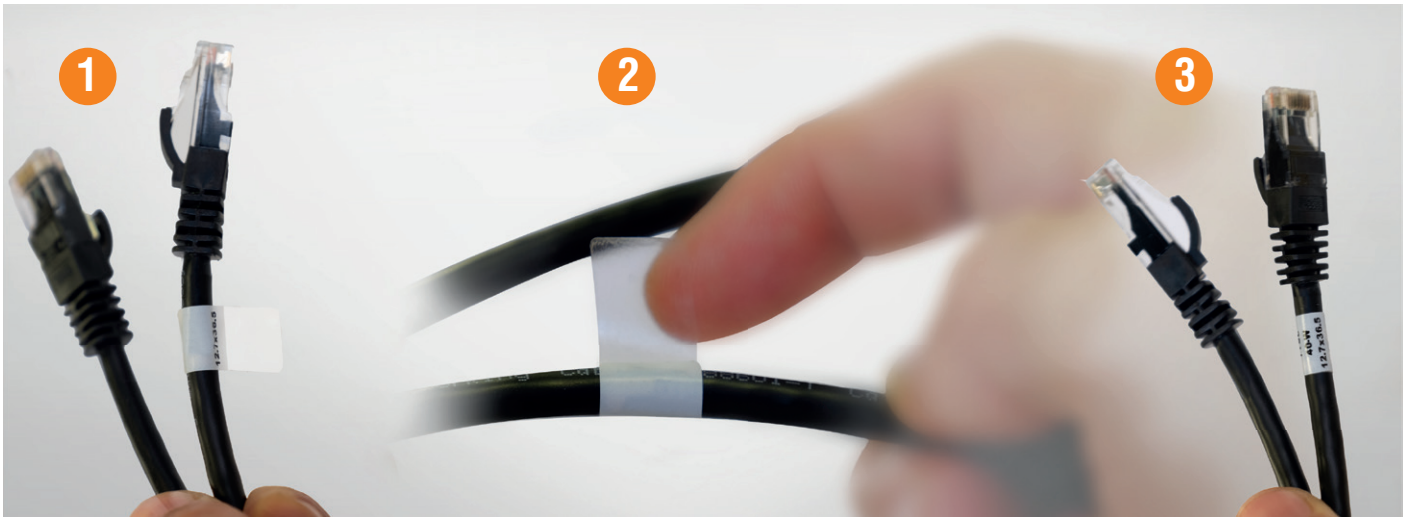


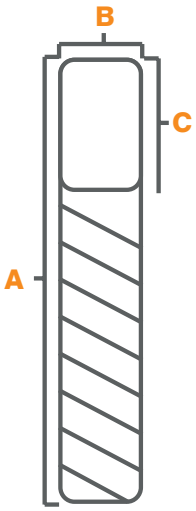
Order No	Product	Print Area (mm)	Cable Ø	Cable Tie Hole Size (mm)	Color	Qty.
808 473	TTKB 60x10 YL/W	44x10	2-10	5x2	Yellow/White	500
808 474	TTKB 60x10 RD/W	44x10	2-10	5x2	Red/White	500
808 475	TTKB 60x10 BL/W	44x10	2-10	5x2	Blue/White	500
808 476	TTKB 60x10 GN/W	44x10	2-10	5x2	Green/White	500
808 477	TTKB 60x10 SV/W	44x10	2-10	5x2	Silver/White	500

* TTKB labels are double colored.

Marking for Cables

Self Laminated Cable Markers - TTSL Series





Order No	Product (BxA)	Print Area (BxC) (mm)	Cable Diameter (mm)	Color	Qty.
808 070	TTSL 40- WH 12,7x19,5	12,7x9,5	D: 3	White	2.000
808 071	TTSL 40- WH 19x23,8	19x9,5	D: 4	White	5.000
808 072	TTSL 40- WH 12,7x36,5	12,7x12,7	D: 7	White	2.000
808 073	TTSL 40- WH 19x44,5	19x12,7	D: 10	White	2.000
808 074	TTSL 40- WH 25,4x36,5	25,4x12,7	D: 7	White	1.500
808 075	TTSL 40- WH 25,4x57,15	25,4x19	D: 12	White	1.500
808 076	TTSL 40- WH 25,4x95,25	25,4x25,4	D: 22	White	1.500
808 077	TTSL 40- WH 25,4x152,4	25,4x38,1	D: 36	White	1.000
808 078	TTSL 40- WH 50,8x92,25	50,8x25,4	D: 22	White	1.000
808 079	TTSL 40- WH 50,8X177,8	50,8x38,1	D: 44	White	500

Printable Heatshrink Markers - HSL Series

Halogen Free VO raw material



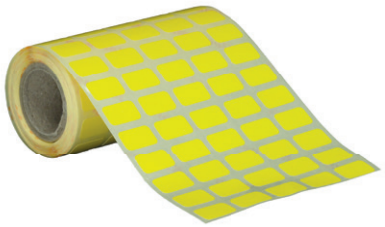
Order No	Product	Qty.
1020 050	HSL Adapter for TTP Series	1
1020 060	HSL Adapter for TE Series	1
1020 070	HSL Adapter for TX Series	1

Order No	Product	Cross-Section (mm)	Length (m)	Color	Qty.
579 010	HSL-02-Y	0.25 ~ 1	400	Yellow	1
579 011	HSL-03-Y	1 ~ 1.5	400	Yellow	1
579 012	HSL-4.5-Y	2.5	200	Yellow	1
579 013	HSL-06-Y	4 ~ 6	200	Yellow	1
579 014	HSL-10-Y	6 ~ 10	100	Yellow	1
579 015	HSL-12-Y	6 ~ 12.7	100	Yellow	1
579 016	HSL-15-Y	7.5 ~ 15	100	Yellow	1
579 017	HSL-19-Y	9.5 ~ 19	100	Yellow	1
579 018	HSL-25-Y	12.5 ~ 25	50	Yellow	1
579 019	HSL-28-Y	14 ~ 28	50	Yellow	1
579 020	HSL-30-Y	16 ~ 30	50	Yellow	1

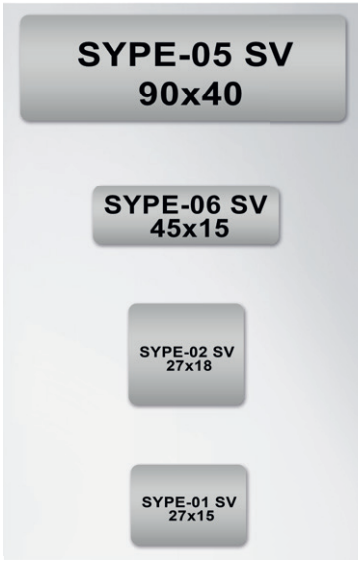
*Heat shrink tubing is printed with 1020013 coded ribbon.

Marking for Panel Surface and Components

Pvc Markers - PYE - SPYE Series



PYE



SPYE

Order No	Product	Print Area (mm)	Color	Qty.
808 403	PYE-01 YL	17x10	Yellow	2.500
808 404	PYE-02 YL	15x6	Yellow	2.500
808 405	PYE-03 YL	12x9	Yellow	2.500
808 406	PYE-04 YL	15x9	Yellow	2.500
808 409	PYE-05 YL	18x8	Yellow	2.500

808 429	SPYE-00 SV	27x12,5	Silver	2.500
808 430	SPYE- 01 SV	27x15	Silver	2.500
808 400	SPYE-02 SV	27x18	Silver	2.500
808 431	SPYE-03 SV	35x18	Silver	1.500
808 401	SPYE- 04 SV	70x30	Silver	250
808 402	SPYE-05 SV	90x40	Silver	250
808 454	SPYE-06 SV	100x50	Silver	250
808 432	SPYE-06 SV	45x15	Silver	2.000

Thick Polyester Markers - ETPS Series



0.8 mm Thickness



Order No	Product	Print Area (mm)	Color	Qty.
808 064	ETPS 40-SV 27x12.5	27x12,5	Silver	200
808 065	ETPS 40-SV 27x15	27x15	Silver	150
808 066	ETPS 40-SV 35x18	35x18	Silver	125
808 067	ETPS 40-SV 45x15	45x15	Silver	125
808 068	ETPS 40-SV 60x30	60x30	Silver	125
808 069	ETPS 40-SV 90x45	90x45	Silver	100

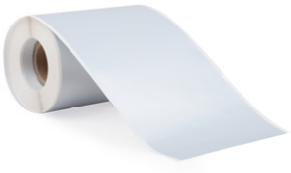
Marking for Panel Surface and Components

Adhesive Strip Labels - LSL Series







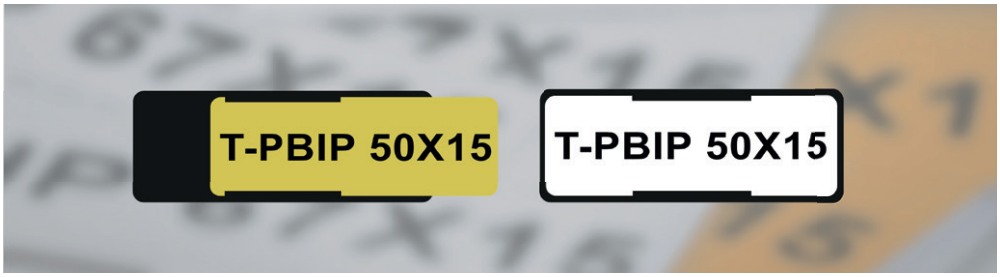


Order No	Product	Print Area	Color	Qty.
808 470	LSL-1,5 W	1.5 cm x 20 m	White	1
808 471	LSL-1,5 SV	1.5 cm x 20 m	Silver	1
808 472	LSL-1,5 YL	1.5 cm x 20 m	Yellow	1
808 433	LSL-03 W	3 cm x 20 m	White	1
808 434	LSL-03 SV	3 cm x 20 m	Silver	1
808 435	LSL-03 YL	3 cm x 20 m	Yellow	1
808 436	LSL-05 W	5 cm x 20 m	White	1
808 437	LSL-05 SV	5 cm x 20 m	Silver	1
808 438	LSL-05 YL	5 cm x 20 m	Yellow	1
808 439	LSL-08 W	8 cm x 20 m	White	1
808 440	LSL-08 SV	8 cm x 20 m	Silver	1
808 441	LSL-08 YL	8 cm x 20 m	Yellow	1

Marking for Panel Surface and Components

Pvc Markers - T-PBIP Series





Order No	Product	Print Area (mm)	Color	Qty.
808 161	T-PBIP 27x15 Y/W	27x15	Yellow / White	1.000
808 162	T-PBIP 50x15 Y/W	50x15	Yellow / White	1.000
808 163	T-PBIP 67x15 Y/W	67x15	Yellow / White	1.000
808 166	T-PBIP 27x8 Y/W	27x8	Yellow / White	1.000
808 167	T-PBIP 27x18 Y/W	27x18	Yellow / White	1.000

* T-PBIP labels are double colored.

Note: To ensure the best printing quality and efficiency on Klemsan Thermal Marking Systems, only Klemsan original consumable products must be used. Otherwise, the subject products will not be covered by warranty conditions.

Tag Holders Selection Guide



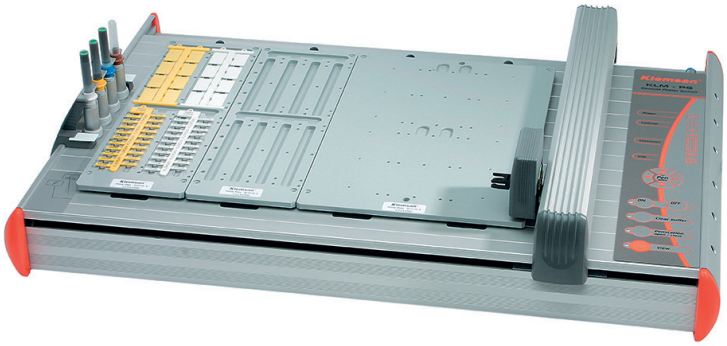
Order No	Product	T-PBIP 27x15	T-PBIP 50x15	T-PBIP 67x15
509 600	Y-PER 1730	✓		
509 601	Y-PER 1752		✓	
509 602	Y-PER 1770			✓
509 700	Y-PBR S	✓		
509 701	Y-PBR T	✓		



Plotter Consumables and Labeling Solutions

PLOTTER SYSTEM

Pen Plotter System is the labeling system which consists of one plotter and PC. System enables to label various kinds of tags by specially developed software. User can follow up by looking at the monitor and choose the right tag to be written easily. Marking is done on the standard policarbon made blank tags which are resistible to rough environment conditions (dust, dirt and oil), frictions and ageing. System has a user friendly simple program working with Windows Operating System, and allows to import data from other files, such as E-Plan and Excel files.



K-R Type Plotter Pens and Ink

The refillable plotter pen K-R Type is available with six widths, used with etching ink. Ink cartridges containing special ink are suitable for marking, indentifying and labeling various plastics. It is fast-drying, smudge proof, light fast and resistant to spirits and petrol when used on suitable plastic material. It is possible to remove labels without damaging the underlying material by using the cleaning fluid.



Order No	Product	Width	Qty.
807 040	PLOT K-R 0,18 mm	0,18	1
807 041	PLOT K-R 0,25 mm	0,25	1
807 042	PLOT K-R 0,35 mm	0,35	1
807 043	PLOT K-R 0,50 mm	0,5	1
807 044	PLOT K-R 0,70 mm	0,7	1
807 045	PLOT K-R 1,00 mm	1	1

Order No	Product	Description	Qty.
807 070	PLOT KRT-P 1 ml.	5 x 1 ml. Cartridge	1

D Type Plotter Pens

The disposable plotter pen D Type is available with two widths. Once activated, pen should be kept in a dry,cool places, if not in use.



Order No	Product	Width	Qty.
807 921	KLM PLOTTER PEN - D 0,25 mm P 2.0	0,25	1
807 922	KLM PLOTTER PEN - D 0,35 mm P 2.0	0,35	1

Eco Series Plotter Pens

Eco series hand pens are produced with one side 0,35 mm width, the other 0,70 mm width. That gives possibility to label by one pen tags for terminals and tags with bigger sizes.

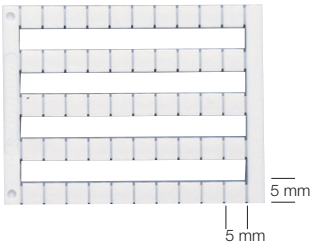


Order No	Product	Width	Qty.
807 055	Pilot Hand Pen	0,35 -0,70	12
807 907	Adaptor Pilot Pen Small (for Terminal Block Labels)		1
807 908	Adaptor Pilot Pen Large (for Button Labels)		1

Terminal Block Marking Tags

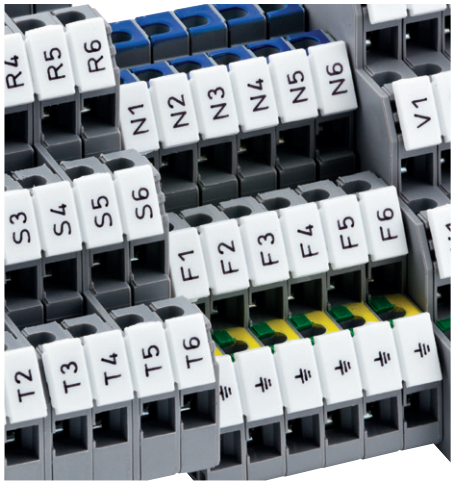


DB 5



Order No	Product	Print Area	Print Area (mm)	Color	Qty.
503 700	DB 7,5x4,5	Plate	7,5x4,5	White	500
503 000	DB 10/4	Plate	10x4	White	500
505 850	DB 5	Plate	5x5	White	500
505 910	DB 10/5	Plate	10x5	White	510
505 915	DB 10/6	Plate	10x6	White	510
505 920	DB 10/6,5	Plate	10x6,5	White	510
505 310	DG 10/5	Plate	10x5	White	440
505 320	DG 10/6	Plate	10x6	White	360
505 330	DG 6/5	Plate	6x5	White	400
505 340	DG 7/5	Plate	7x5	White	440
505 380	DG 10/5 T	Plate	10x5	White	440
505 390	DG 10/6 T	Plate	10x6	White	360
505 410	DG 10/8	Plate	10x8	White	260
505 430	DG 10/10	Plate	10x10	White	200
502 000	DB 6/4	Plate	6x4	White	500

* See page **357 - 360** for **Terminal Blocks** selection guide.

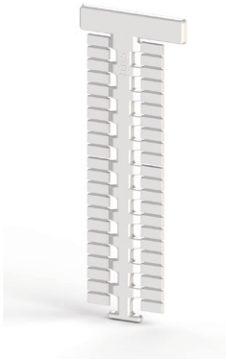






Labeling with KLM Plotter Marking for Terminal Blocks

DG 10/5



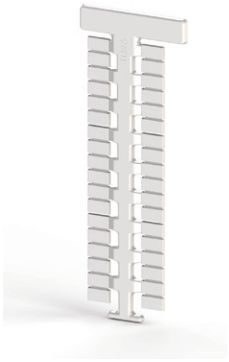
General Features	
Order No	**505 310**
Dimensions	10 x 5
Quantity	440
Plotter Plate	PLOT PL - A

DG 10/5 T



General Features	
Order No	**505 380**
Dimensions	10 x 5
Quantity	440
Plotter Plate	PLOT PL - A

DG 10/6



General Features	
Order No	**505 320**
Dimensions	10 x 6
Quantity	360
Plotter Plate	PLOT PL - A

DG 10/6 T



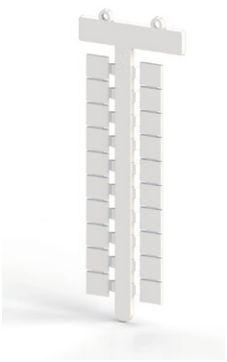
General Features	
Order No	**505 390**
Dimensions	10 x 6
Quantity	360
Plotter Plate	PLOT PL - A

DG 6/5



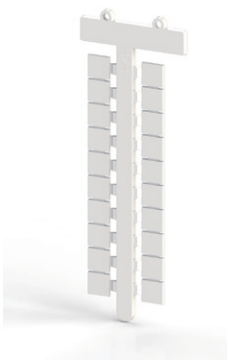
General Features	
Order No	**505 330**
Dimensions	6 x 5
Quantity	400
Plotter Plate	PLOT PL - A

DG 10/8



General Features	
Order No	**505 410**
Dimensions	10 x 8
Quantity	260
Plotter Plate	PLOT PL - A

DG 10/10



General Features	
Order No	**505 430**
Dimensions	10 x 10
Quantity	200
Plotter Plate	PLOT PL - A

DB 4



General Features	
Order No	**503 000**
Dimensions	10 x 4
Quantity	500
Plotter Plate	PLOT PL - DB 4

DB 5



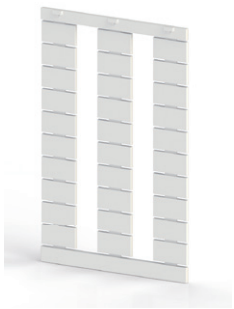
General Features	
Order No	**505 850**
Dimensions	5 x 5
Quantity	500
Plotter Plate	PLOT PL - DB 5

DB 10/5



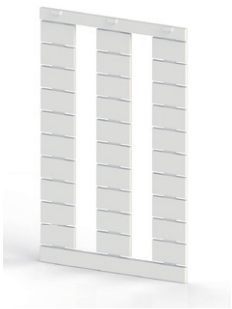
General Features	
Order No	**505 910**
Dimensions	10 x 5
Quantity	500
Plotter Plate	PLOT PL - DB

DB 10/6



General Features	
Order No	**505 915**
Dimensions	10 x 6
Quantity	500
Plotter Plate	PLOT PL - DB

DB 10/6,5



General Features	
Order No	**505 920**
Dimensions	10 x 6,5
Quantity	500
Plotter Plate	PLOT PL - DB

Cable Marking Tags



Order No	Product	Type	Print Area (mm)	Color	Qty.
508 001	KIP 10 W	Plate	10x4	White	480
508 002	KIP 10 Y	Plate	10x4	Yellow	480
508 003	KIP 15 W	Plate	15x4	White	480
508 004	KIP 15 Y	Plate	15x4	Yellow	480
508 012	KIP 18 W	Plate	18x4	White	240
508 013	KIP 18 Y	Plate	18x4	Yellow	240
508 005	KIP 23 W	Plate	23x4	White	240
508 006	KIP 23 Y	Plate	23x4	Yellow	240
508 008	KIP 30 W	Plate	30x4	White	240
508 009	KIP 30 Y	Plate	30x4	Yellow	240

Cable Marking Sleeve Selection Guide



Product	KIP 10	KIP 15	KIP 18	KIP 23	KIP 30
KCKKS 10	✔				
KCKKS 15		✔			
KCKKS 18			✔		
KCKKS 23				✔	
KCKKS 30					✔

Cable Marking Tags Marking Plates

	KIP 10 W	KIP 15 W	KIP 18 W	KIP 23 W	KIP 30 W
					
General Features					
Order No	**508 001**	**508 003**	**508 012**	**508 005**	**508 008**
Dimensions	10 x 4	15 x 4	18 x 4	23 x 4	30 x 4
Quantity	480	480	240	240	240
Plotter Plate	PLOT PL - A	PLOT PL - A	PLOT PL - A	PLOT PL - A	PLOT PL - A
Marking Plates					
Type	KIP 10 Y	KIP 15 Y	KIP 18 Y	KIP 23 Y	KIP 30 Y
Order No	508 002	508 004	508 013	508 006	508 009
Qty.	480	480	240	240	240
Color	Yellow	Yellow	Yellow	Yellow	Yellow

Marking Tags for Cable Ties



Cat. No.	Product	Max. Label Size (mm)	Color	Qty.
508 070	KBEP 209 W	20x9	White	240
508 071	KBEP 209 Y	20x9	Yellow	240
508 090	KBEP 2712 W	27x12	White	160

Self-Adhesive Panel Labels for Contactors



Order No	Product	Type	Print Area (mm)	Color	Qty.
508 051	KOIP SM W	Plate	20x9	White	240
508 057	KOIP TT W	Plate	17x8	White	240
Description					
Labelled with AVK 50, AVK 70 RD, AVK 95, AVK 150, AVK 240, AVK PB 50, AVK PB 70 RD, AVK PB 95, AVK PB 150, AVK PB 240					

* KOIP SM Series labels are compatible with Siemens contactors.
* KOIP TT Series labels are compatible with Telemec contactors.

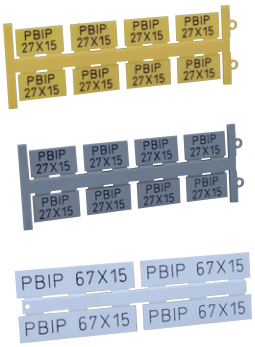
Self-Adhesive Panel Labels



Order No	Product	Type	Print Area (mm)	Color	Qty.
508 060	Y-KOIP 209 W	Plate	20x9	White	240
508 061	Y-KOIP 209 Y	Plate	20x9	Yellow	240
508 065	Y-OIP 1710 W	Plate	17x10	White	288
508 066	Y-OIP 1710 Y	Plate	17x10	Yellow	288
508 820	Y-PBIP 2715 W	Plate	27x15	White	192
508 821	Y-PBIP 2715 G	Plate	27x15	Grey	192
508 822	Y-PBIP 2715 Y	Plate	27x15	Yellow	192
508 823	Y-PBIP 5015 W	Plate	50x15	White	96
508 824	Y-PBIP 5015 G	Plate	50x15	Grey	96
508 825	Y-PBIP 5015 Y	Plate	50x15	Yellow	96
508 826	Y-PBIP 6715 W	Plate	67x15	White	96
508 827	Y-PBIP 6715 G	Plate	67x15	Grey	96
508 828	Y-PBIP 6715 Y	Plate	67x15	Yellow	96

* Y-KOIP 209 Series labels are compatible with Siemens contactors.
* Y-OIP 1710 Series labels are compatible with Telemec contactors.

Marking Tags for Panels/Buttons



Order No	Product	Print Area (mm)	Type	Color	Qty.
508 800	PBIP 2715 W	27x15	Plate	White	192
508 801	PBIP 2715 G	27x15	Plate	Grey	192
508 802	PBIP 2715 Y	27x15	Plate	Yellow	192
508 803	PBIP 5015 W	50x15	Plate	White	96
508 804	PBIP 5015 G	50x15	Plate	Grey	96
508 805	PBIP 5015 Y	50x15	Plate	Yellow	96
508 806	PBIP 6715 W	67x15	Plate	White	96
508 807	PBIP 6715 G	67x15	Plate	Grey	96
508 808	PBIP 6715 Y	67x15	Plate	Yellow	96

Panel Marking Product Selection Guide

PRODUCT		PBIP 2715	PBIP 5015	PBIP 6715
	Dimensions (mm)	27x15	50x15	67x15
First Step: Select panel marking tag.	Color	White	White	White
		Grey	Grey	Grey
		Yellow	Yellow	Yellow
Second Step: Select plate carrier.	Y-PER 1730	✔		
	Y-PER 1752		✔	
	Y-PER 1770			✔
	Y-PBR T	✔		
	Y-PBR S	✔		
Third Step: Select protective cover.	PBKP 2715	✔		
	PBKP 5015		✔	
	PBKP 6715			✔

Self-Adhesive Paper Labels



Order No	Product	Description	Print Area (mm)	Color	Qty.
508 520	SIT FP 4407	Paper Labels for ME3 Group Labeling	7x44	White	136
508 530	SIFX 0615 Y	Self-Adhesive Paper Label	6x15	Yellow	2.850
508 531	SIFX 0912 Y	Self-Adhesive Paper Label	9x12	Yellow	2.300
508 532	SIFX 0915 Y	Self-Adhesive Paper Label	9x15	Yellow	1.900
508 534	SIFX	Paper Labels for ME Group Labeling	6x43.8	Yellow	900

* Used with plotter.



Order No	Product	Description	Print Area (mm)	Color	Qty.
808 412	OYE-07 Y	Self-Adhesive Label for Office Printer	7x44	White	1.560
808 413	OYE-06 Y	Self-Adhesive Label for Office Printer	38x10	Yellow	1.260
808 414	OYE-05 Y	Self-Adhesive Label for Office Printer	20x8	Yellow	3.450
808 415	OYE-03 Y	Self-Adhesive Label for Office Printer	12x9	Yellow	4.600
808 416	OYE-01 Y	Self-Adhesive Label for Office Printer	17x10	Yellow	2.880
808 417	OYE-04 Y	Self-Adhesive Label for Office Printer	15x9	Yellow	3.600
808 418	OYE-02 Y	Self-Adhesive Label for Office Printer	15x6	Yellow	5.400

* Used with plotter and office printer.

Warning Labels





Order No	Product	Terminals used
498 130	IP 2S	AVK 2.5; AVK 4; AVK 6; AVK 10; AVK 2.5 RD; AVK 4 RD; AVK 2.5 T RD; AVK 4 T RD
498 140	IP 2	AVK 2.5; AVK 4; AVK 6; AVK 10; AVK 2.5 RD; AVK 4 RD; AVK 2.5 T RD; AVK 4 T RD
498 143	IP 3S	AVK 16; AVK 16 RD; AVK 35 RD; AVK 35 T RD
498 145	IP 3	AVK 16; AVK 16 RD; AVK 35 RD; AVK 35 T RD
498 160	IP 4S	YBK 2.5; YBK 4; YBK 6; YBK 10
498 170	IP 4	YBK 2.5; YBK 4; YBK 6; YBK 10
498 240	IP 5	AVK 50 - 70RD - 95 - 150 - 240
498 250	IP 5S	AVK 50 - 70RD - 95 - 150 - 240

Product Name	DB 6/4	DB 10/4	DB5-DY5	DB 10/5	DB 10/6	DB 10/6,5	DB 7,5/4,5	DG 6/5	DG 7/5	DG 10/5	DG 10/6	DG 10/8	DG 10/10	DG 10/5T	DG 10/6T	KOIP SM W
AVK 2,5				●						●				●		
AVK 4					●						●				●	
AVK 6												●				
AVK 10													●			
AVK 16													●			
AVK 50																●
AVK 70 RD																●
AVK 95																●
AVK 150																●
AVK 240																●
AVK 2,5 RD				●						●				●		
AVK 4 RD					●						●				●	
AVK 16 RD													●			
AVK 25 RD													●			
AVK 35 RD													●			
AVK 50T																●
AVK 2,5T RD				●						●				●		
AVK 4 T RD					●						●				●	
AVK 16 T RD													●			
AVK 35 T RD													●			
AVK PB 50																●
AVK PB 70 RD																●
AVK PB 95																●
AVK PB 150																●
AVK PB 240																●
AVK 95 B													●			
AVK 150 B													●			
AVK 240 B													●			
AVK 2,5 CC				●						●				●		
AVK 4 GD			●		●			●			●				●	
AVK 10 RD 4													●			
AVK 2,5 F				●						●				●		
AVK 2,5 CF				●						●				●		
AVK 2,5 A				●						●				●		
AVK 2,5R				●						●				●		
AVK 2,5RT				●						●				●		
AVK SKT			●					●								
AVK SKTD			●					●								
AVK AS			●		●						●				●	
AVK ASD			●		●						●				●	
AVK 2,5 CCT				●						●				●		
AVK 10 T RD 4													●			
AVK 2,5 EA				●						●				●		
AVK 2,5 CCA				●						●				●		
AVK 4 FS			●					●								
AVK 2,5-4TK					●						●				●	
AVK 4A					●										●	
AVK 4CC					●						●				●	
AVK 4CCA					●						●				●	
AVK 4CE					●						●				●	
AVK 4CEA					●						●				●	
AVK Y4					●										●	
AVK Y6												●				
AVK Y10													●			
AVK 4R					●						●				●	
AVK 4RT					●						●				●	
AVK 6TK												●				
AVK 10TK													●			
AVK 35 IRDS													●			

Product Name	DB 6/4	DB 10/4	DB5-DY5	DB 10/5	DB 10/6	DB 10/6,5	DB 7,5/4,5	DG 6/5	DG 7/5	DG 10/5	DG 10/6	DG 10/8	DG 10/10	DG 10/5T	DG 10/6T	KOIP SM W
AVK 35 RDS													●			
AVK 35T IRDS													●			
AVK 35T RDS													●			
MVK 2,5			●					●								
MVK 4			●					●								
MVK 2,5 T			●					●								
MVK 4 T			●					●								
PIK 2,5 N				●						●				●		
PIK 2,5 NK				●						●				●		
PIK 2,5 ND-A				●						●				●		
PIK 2,5 ND-B				●						●				●		
PIK 2,5 NLD				●						●				●		
PIK 4 N					●						●				●	
PIK 4 NK					●						●				●	
PIK 4 ND-A					●						●				●	
PIK 4 ND-B					●						●				●	
PIK 4 NLD					●						●				●	
PIK 4 FS			●													
PIK 10 N			●													
PIK 2,5 NT				●						●				●		
PIK 4 NT					●						●				●	
PUK 3			●													
PUK 2 T			●													
PUK 3 T			●													
PUK 3 S			●													
PUK 3 SLD (NPN)			●													
PUK 3 SLD (PNP)			●													
ASK 2 B			●													
ASK 2 S			●													
ASK 3 A			●		●											
ASK 3 MB			●		●											
ASK 3 FB			●		●											
ASK 4 B												●				
ASK 4 S												●				
ASK 4 LD												●				
ASK 5												●				
ASK 5B												●				
ASK 5 LD												●				
ASK 2 LD			●													
ASK 3 M			●		●											
ASK 3 MLD			●		●											
ASK 3 F			●		●											
ASK 3 FLD			●		●											
PYK 1,5 M	●															
PYK 1,5		●														
PYK 2,5				●						●				●		
PYK 4					●						●				●	
PYK 6												●				
PYK 10													●			
PYK 1,5 MT	●															
PYK 2,5 T				●						●				●		
PYK 4 T					●						●				●	
PYK 6 T												●				
PYK 10 T													●			
PYK 2,5-2 F				●						●				●		
PYK 2,5-2 FK				●						●				●		
PYK 2,5 - 2 FLD				●						●				●		
PYK 4 - 2 F					●						●				●	
PYK 2,5 - 2 FD A				●						●				●		

Product Name	DB 6/4	DB 10/4	DB5-DY5	DB 10/5	DB 10/6	DB 10/6,5	DB 7,5/4,5	DG 6/5	DG 7/5	DG 10/5	DG 10/6	DG 10/8	DG 10/10	DG 10/5T	DG 10/6T	KOIP SM W
PYK 2,5 - 2 FD B				●						●				●		
PYK 2,5 - 3 F				●						●				●		
PYK 2,5 - 2 FT				●						●				●		
PYK 2,5 - 3 FT				●						●				●		
PYK 3 S				●						●				●		
PYK 3 SLD (NPN)				●						●				●		
PYK 3 SLD (PNP)				●						●				●		
PYK 4 S			●									●				
PYK 4 I			●									●				
PYK 4 ILD			●									●				
PYK 4 SLD			●									●				
PYK 2,5 A				●						●				●		
PYK 2,5 EA				●						●				●		
PYK 2,5 CCA				●						●				●		
PYK 2,5 E				●						●				●		
PYK 2,5 ET				●						●				●		
PYK 1,5 MC	●															
PYK 1,5 MCT	●															
PYK 1,5 ME	●															
PYK 1,5 MET	●															
PYK 2,5 C				●						●				●		
PYK 2,5 CT				●						●				●		
PYK 4 E					●						●				●	
YBK 2,5				●						●				●		
YBK 4					●						●				●	
YBK 6												●				
YBK 10													●			
YBK 2,5 T				●						●				●		
YBK 4 T					●						●				●	
YBK 6 T												●				
YBK 10 T													●			
MYK 2,5			●					●								
MYK 2,5 C			●					●								
MYKR 2,5			●					●								
MYKR 2,5 C			●					●								
MYK 2,5 T			●					●								
MYPK 2,5			●					●								
MYPK 2,5 C			●					●								
MYSK 2,5			●					●								
YBK 2,5-2 F			●					●								
YBK 2,5-2 FK			●					●								
YBK 2,5-2 FD-A			●					●								
YBK 2,5-2 FD-B			●					●								
YBK 2,5-2 FLD			●					●								
YBK 4-2 F					●						●				●	
YBK 4-2 FK					●						●				●	
YBK 4-2 FD-A					●						●				●	
YBK 4-2 FD-B					●						●				●	
YBK 4-2 FLD					●						●				●	
YBK 2,5-3 F			●					●								
YBK 2,5-2 FT			●					●								
YBK 2,5-3 FLD (NPN)			●					●								
YBK 2,5-3 FLD (PNP)			●					●								
YBK 3 S			●					●								
YBK 3 SLD (NPN)			●					●								
YBK 3 SLD (PNP)			●					●								
YBK S			●					●								
YBK SB			●					●								
YBK SLD			●					●								

Product Name	DB 6/4	DB 10/4	DB5-DY5	DB 10/5	DB 10/6	DB 10/6,5	DB 7,5/4,5	DG 6/5	DG 7/5	DG 10/5	DG 10/6	DG 10/8	DG 10/10	DG 10/5T	DG 10/6T	KOIP SM W
YBK 2,5 A				●						●				●		
YBK I			●					●								
YBK IB			●					●								
YBK ILD			●					●								
YBK 2,5 E				●						●				●		
YBK 2,5 C				●						●				●		
YBK 2,5 CX2				●						●				●		
YBK 2,5 CD				●						●				●		
YBK 2,5 CLD				●						●				●		
YBK 2,5 CT				●						●				●		
YBK 2,5 ET				●						●				●		
PCY 2,5			●					●								
PCY 2,5 N			●					●								
PCY 2,5 E			●					●								
PCY 2,5 L			●					●								
PCY 2,5 EL			●					●								
PB 2,5					●						●				●	
PB 2,5T					●						●				●	
PB 2,5K					●						●				●	
PB 6												●				
PB 6K												●				
PB 25_M5													●			
PB 25_M6													●			
PB 6 T												●				
CPB 6			●					●								
CPB 6B			●					●								
WGO 1												●				
WGO 2 N													●			
WGO 2 IR													●			
WGO 3												●				
WGO 4												●				
WGO 5												●				
WGL 1												●				
WGO Y 6												●				
WGO YD 6												●				
WGO PB 6												●				
WGO PBD 6												●				
PYKM 2,5			●	●				●						●		
PYKM 2,5 T			●	●				●						●		
PYKMR 2,5			●	●				●						●		
AYK 10/16			●					●								
TRV 4							●		●							
TRV 4 B							●		●							
TRV 4 M							●		●							
TRV 4 S			●				●	●	●							
TRV 4 T							●		●							
TRV 10							●		●							
WG - Eki					●						●				●	
CPB 6U			●					●								

Slotted Wiring Ducts

HALOGEN FREE
Wiring Ducts



- Flame-retardant, self-extinguishing according to UL94-V0
- EN50085-2-3-approved
- Colour: Light Grey: RAL 7035
- Temperature range from -25 °C to +90 °C

Preferred and applied in public areas, such as;

- Hospitals
- Multistory and High Buildings
- Mining Facilities
- Railway Industries
- Marine Industries
- Hotels
- Laboratories
- Schools
- Airplanes
- Cinema and Theater Halls
- Subway and Highway Tunnels
- Shopping Centers
- Airport Terminals

Slotted Wiring Ducts

Halogen Free For Highest Safety



Why Low Smoke Halogen Free (LSHF) products?

When PVC or other traditional plastics ignite in a fire, they emit corrosive & toxic gases like Chlorine. Moreover, these are soluble in moisture, forming Hydrochloric acid, which destroy electronics, semiconductors and intrinsic electrical circuits.

It can be fatally hazardous to humans if they cannot escape from the smoky area
contaminated with toxic elements. Toxic fumes are not only a serious health risk but also cause serious damage and problems to crucial machineries.

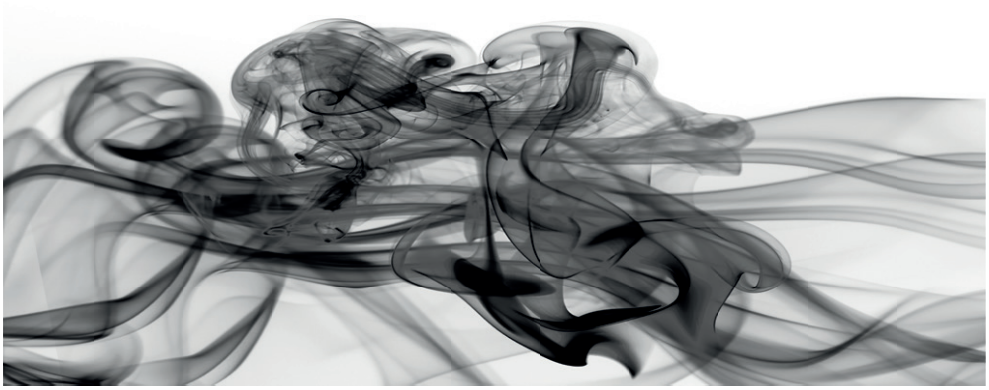
The Difference Between PVC and PC/ABS

Due to its high level of flame-retardancy, PVC has been used as an appropriate cable insulation material for many years. However, in the event of a fire this will generate dense black smoke, with toxic and corrosive gases that can cause fatality and destruction.

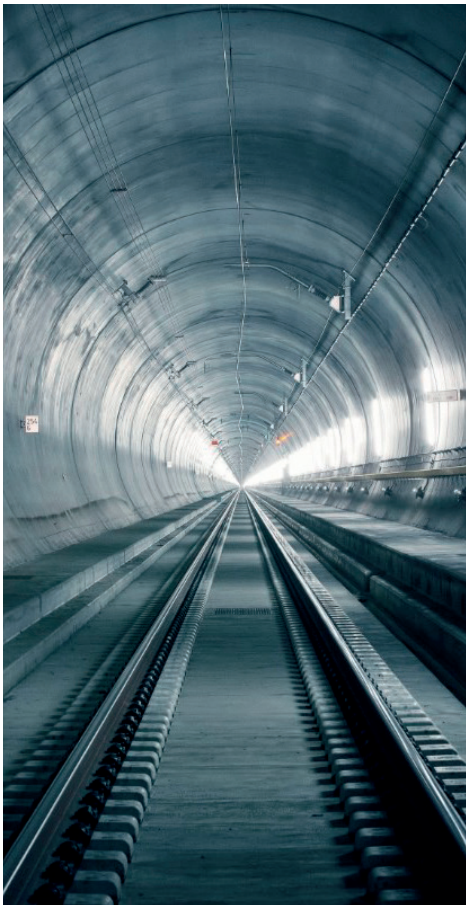
PC/ABS passes the Halogen free tests and Low Smoke tests **successfully**.

Halogen Free wires and cables are already compulsory in many areas as they are safer. In the same way, Halogen Free Wiring Duct is is especially important to be used in closed areas where the exits are limited; such as Public Transport, Hospitals, Malls etc.

PVC generates **dense**
black smoke when it burns



EN 45545-2 European Union Standards Fire Testing to Railway Components

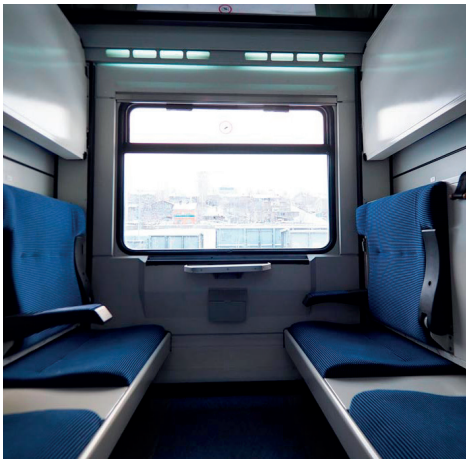


KLEMSAN offers a wide range of Wiring Ducts in materials that are compliant with the smoke generation and toxicity requirements of the **EN 45545-2** European Railway Standards for fire safety classes **R22 - R23** and Hazard Levels **HL1 - HL2 - HL3**.

Vehicles are classified as: HL1, HL2 or HL3, depending on their time in tunnels and the availability of sleeping cars. The HL1 classification represents the lowest hazard level and HL3 represents the highest. Please refer to EN 45545-2 for definitions.



LSHF Material Properties - PC/ABS Raw Material



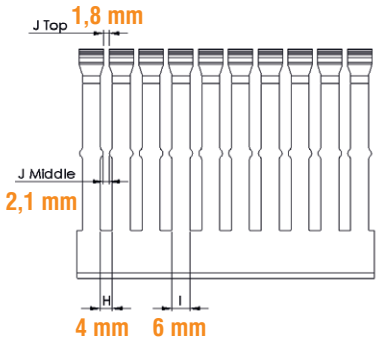
Our Halogen Free Wiring Ducts are made of a special purpose LSHF and flame retardant PC/ABS blend containing **NO Bromide, NO Chlorine and NO Fluorine.** It still offers high impact resistance and excellent characteristics used for higher temperature applications. These are in compliance with **EN 45545-2** European Union Standards.

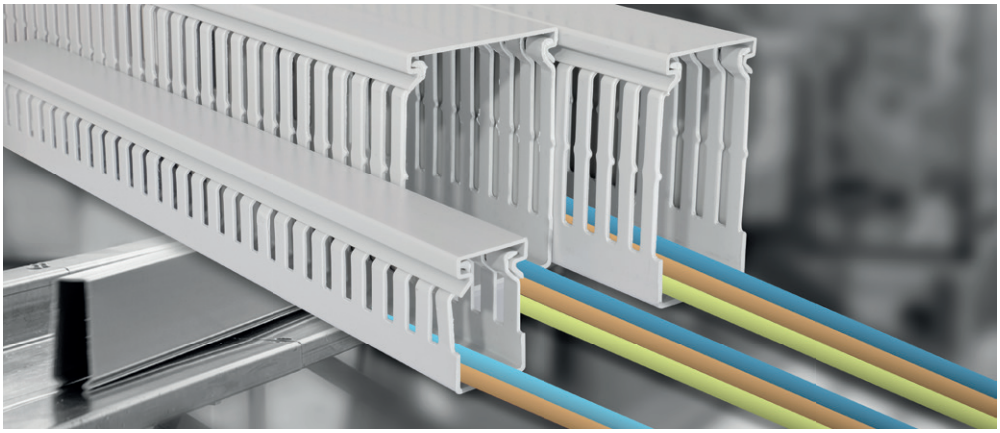
LSHF material also has characteristics of self-extinguishing, UL94 flammability rating of V-0. It is RoHS compliant, environmentally safe and is 20% lighter than PVC.

Our LSHF material is resistant to abnormal heat and fire. It has proven dimensional stability between **-25 °C / + 90 °C**. Also, the Halogen Free Wiring Ducts are manufactured in compliance with the Standard EN 50085-2-3. Ideal tor applications where public safety during a fire is a concern.

Slotted Wiring Ducts

LSHF (Low Smoke Halogen Free) - Wiring Ducts







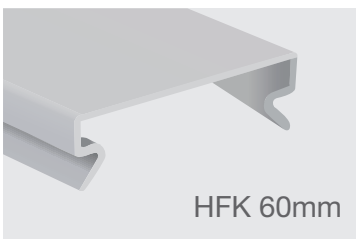


Order No	Product	Size WxH (mm)	Color	Qty.
540 010	KHF 2530 Wiring Duct	25X30	Grey	46x2 m
540 020	KHF 2540 Wiring Duct	25X40	Grey	50x2 m
540 030	KHF 2560 Wiring Duct	25X60	Grey	30x2 m
540 060	KHF 4040 Wiring Duct	40X40	Grey	24x2 m
540 070	KHF 4060 Wiring Duct	40X60	Grey	18x2 m
540 080	KHF 4080 Wiring Duct	40X80	Grey	20x2 m
540 100	KHF 6040 Wiring Duct	60X40	Grey	18x2 m
540 110	KHF 6060 Wiring Duct	60X60	Grey	12x2 m
540 120	KHF 6080 Wiring Duct	60X80	Grey	12x2 m
540 150	KHF 8060 Wiring Duct	80X60	Grey	14x2 m
540 160	KHF 8080 Wiring Duct	80X80	Grey	10x2 m

- Excellent fire-safety characteristics.
- Smooth, burr-free edges protect installers from injury and wires from damage.
- Ribs can be removed easily thanks to upper scorlines.
- Lower scorlines at base of sidewall allow cutting out and removing sections of sidewall with no sharp edges.
- Duct covers hold securely even in a vertical position and under vibration.
- ***Wiring duct covers are included the package.***

LSHF - Wiring Duct Covers





Order No	Product	Size (mm)	Color
540 600	HFK 25mm Wiring Duct Cover	25	Grey
540 610	HFK 40mm Wiring Duct Cover	40	Grey
540 620	HFK 60mm Wiring Duct Cover	60	Grey
540 630	HFK 80mm Wiring Duct Cover	80	Grey

RoHS REACH CERTIFIED CE cULus GOST-R EAC HL3 EN 45545-2

Slotted Wiring Ducts

Klemsan “Trunkie” PVC Wiring Ducts



Solutions Which Simplify Wiring

- Now wire management is much easier.
- You can easily mount wire retainers on the bottom rail of the duct without screw and slide them along the rail.



Durability and Reliability

- Assembly or disassembly of the covers is the most difficult operation when ducts are fully wired, design of Trunkie speeds up your work.
- Trunkie enables the customer to use the maximum inner space of the duct and keeps the rigidity even at maximum load of cables.



Appearance

- Special rib pattern allows the end-user to make cable grouping easier.





Speed and Efficiency

- Furthermore, Trunkie helps you save time while breaking off ribs in groups.
- Without using any hand tools,

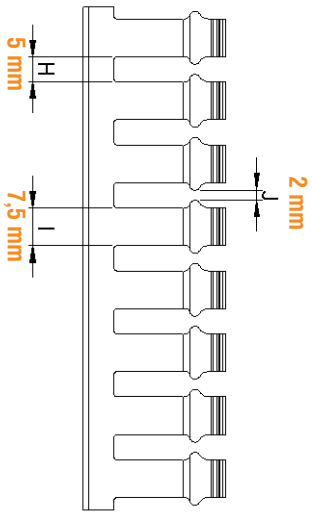
simply bend the duct ribs to 60° - 90°

and easily break them inside the panel.

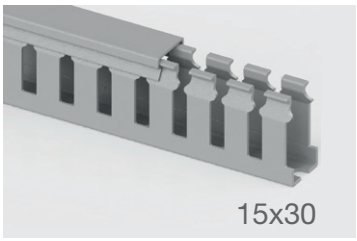
Slotted Wiring Ducts

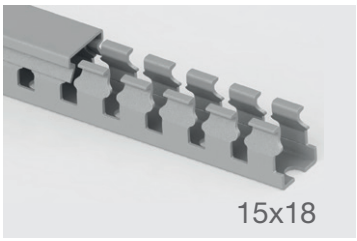
PVC Wiring Ducts Product Range

MEDIUM Slotted









Self-adhesive

Order No	Product	Size WxH (mm)	Color	Qty.
551 060YP	KKC 1518	15x18	Grey	122x2 m
551 070YP	KKC 1530	15x30	Grey	104x2 m
551 080YP	KKC 1540	15x40	Grey	80x2 m
551 090YP	KKC 1560	15x60	Grey	42x2 m
551 060	KKC 1518	15x18	Grey	126x2 m
551 070	KKC 1530	15x30	Grey	106x2 m
551 080	KKC 1540	15x40	Grey	80x2 m
551 090	KKC 1560	15x60	Grey	42x2 m

- No lower scorline available for this range.
- Upper scorline is available for breaking off the ribs.
- Operating Temperature: -15°C to 60°C
- Standard Length: 2 meters
- Color Option: RAL 7030 Grey
- Complies with RoHS regulations.
- Complies with IEC 60695-2-1 and EN 50085-2-3 standards.

- *Wiring duct covers are included the package.*



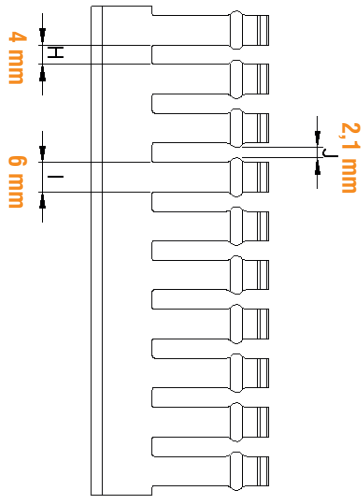
Low Smoke Halogen Free

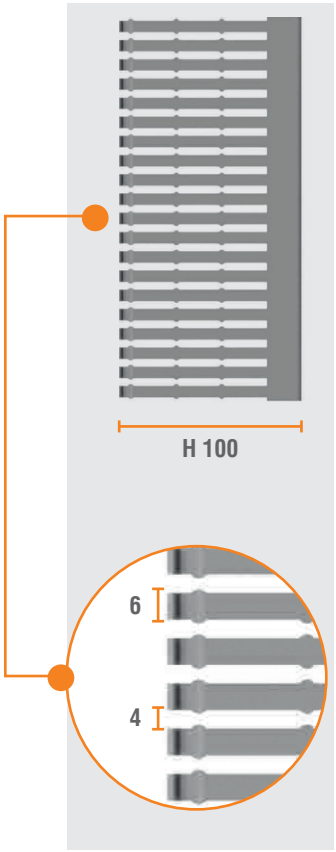
Order No	Type	Description	Size (mm)									
			A	B	C	D	E	F	G	H	I	J
540 010	KHF 2530	HF Wiring Duct	25	26,6	30	8,00	1,55	1,55	9,55	4	6	Top 1,8 - Middle 2,1
540 020	KHF 2540	HF Wiring Duct	25	36,8	40	10,00	1,60	1,60	11,60	4	6	
540 030	KHF 2560	HF Wiring Duct	25	56,8	60	12,00	1,60	1,60	13,60	4	6	
540 060	KHF 4040	HF Wiring Duct	40	36,9	40	10,00	1,60	1,60	11,60	4	6	
540 070	KHF 4060	HF Wiring Duct	40	56,9	60	12,00	1,60	1,60	13,60	4	6	
540 080	KHF 4080	HF Wiring Duct	40	76,9	80	14,00	1,80	1,80	15,80	4	6	
540 100	KHF 6040	HF Wiring Duct	60	37,0	40	10,00	1,60	1,60	11,60	4	6	
540 110	KHF 6060	HF Wiring Duct	60	57,1	60	12,00	1,80	1,80	13,80	4	6	
540 120	KHF 6080	HF Wiring Duct	60	77,1	80	14,00	1,90	1,90	15,90	4	6	
540 150	KHF 8060	HF Wiring Duct	80	57,1	60	12,00	1,80	1,80	13,80	4	6	
540 160	KHF 8080	HF Wiring Duct	80	77,1	80	14,00	2,00	2,00	16,00	4	6	

Slotted Wiring Ducts

PVC Wiring Ducts Product Range

NARROW Slotted





Order No	Product	Size WxH (mm)	Color	Qty.
551 010	KKC 2530	25x30	Grey	50x2 m
551 011	KKC 2540	25x40	Grey	50x2 m
551 012	KKC 2560	25x60	Grey	30x2 m
551 030	KKC 2580	25x80	Grey	28x2 m
551 031	KKC 2510	25x100	Grey	22x2 m
551 013	KKC 4040	40x40	Grey	26x2 m
551 014	KKC 4060	40x60	Grey	18x2 m
551 015	KKC 4080	40x80	Grey	20x2 m
551 032	KKC 4010	40x100	Grey	14x2 m
551 016	KKC 6040	60x40	Grey	18x2 m
551 017	KKC 6060	60x60	Grey	12x2 m
551 018	KKC 6080	60x80	Grey	12x2 m
551 033	KKC 6010	60x100	Grey	18x2 m
551 034	KKC 8040	80x40	Grey	18x2 m
551 019	KKC 8060	80x60	Grey	14x2 m
551 020	KKC 8080	80x80	Grey	10x2 m
551 035	KKC 8010	80x100	Grey	12x2 m
551 021	KKC 1006	100x60	Grey	10x2 m
551 022	KKC 1008	100x80	Grey	8x2 m
551 036	KKC 1001	100x100	Grey	12x2 m
551 023	KKC 1206	120x60	Grey	8x2 m
551 024	KKC 1208	120x80	Grey	6x2 m
551 025	KKC 1201	120x100	Grey	10x2 m
551 040	KKC 1501	150x100	Grey	8x2 m

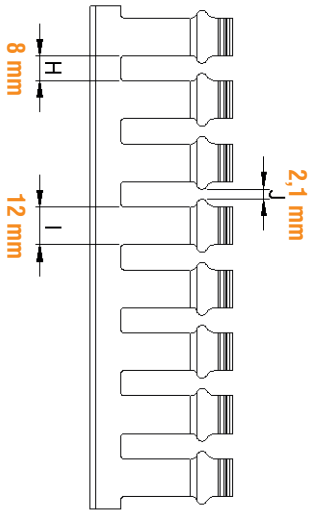
- Upper scorline is available for breaking off the ribs.
- Lower scorline is available.
- Operating Temperature: -15°C to 60°C
- Standard Length: 2 meters
- Color Option: RAL 7030 Grey
- Complies with RoHS regulations.
- Complies with IEC 60695-2-12 and EN 50085-2-3 standards.
- *Wiring duct covers are included the package.*

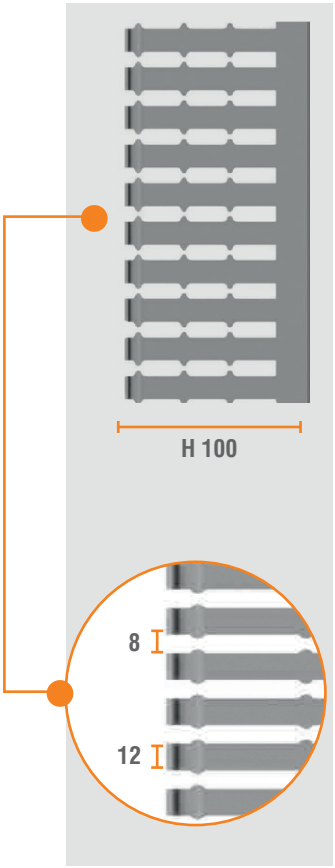
Color			
Color code is the last digit of the order number			
Blue	Black	White	Grey
.....BL	.....BK	.....W	.....BG

Slotted Wiring Ducts

PVC Wiring Ducts Product Range

WIDE Slotted





Order No	Product	Size WxH (mm)	Color	Qty.
551 013WS	KKC 4040	40x40	Grey	26x2 m
551 014WS	KKC 4060	40x60	Grey	18x2 m
551 015WS	KKC 4080	40x80	Grey	20x2 m
551 032WS	KKC 4010	40x100	Grey	14x2 m
551 016WS	KKC 6040	60x40	Grey	18x2 m
551 017WS	KKC 6060	60x60	Grey	12x2 m
551 018WS	KKC 6080	60x80	Grey	12x2 m
551 033WS	KKC 6010	60x100	Grey	18x2 m
551 034WS	KKC 8040	80x40	Grey	18x2 m
551 019WS	KKC 8060	80x60	Grey	14x2 m
551 020WS	KKC 8080	80x80	Grey	10x2 m
551 035WS	KKC 8010	80x100	Grey	12x2 m
551 021WS	KKC 1006	100x60	Grey	10x2 m
551 022WS	KKC 1008	100x80	Grey	8x2 m
551 036WS	KKC 1001	100x100	Grey	12x2 m
551 023WS	KKC 1206	120x60	Grey	8x2 m
551 024WS	KKC 1208	120x80	Grey	6x2 m
551 025WS	KKC 1201	120x100	Grey	10x2 m
551 040WS	KKC 1501	150x100	Grey	8x2 m

- Upper scorline is available for breaking off the ribs.
- Lower scorline is available.
- Operating Temperature: -15°C to 60°C
- Standard Length: 2 meters
- Color Option: RAL 7030 Grey
- Complies with RoHS regulations.
- Complies with IEC 60695-2-1 and EN 50085-2-3 standards.

- *Wiring duct covers are included the package.*

Slotted Wiring Ducts

PVC Wiring Ducts Product Range

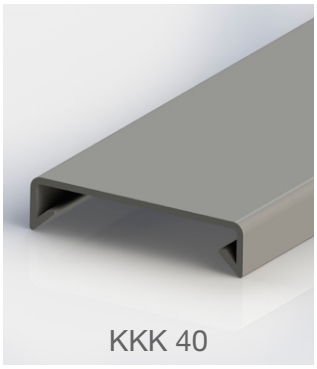
Wiring Ducts Covers



Order No	Product	Size (mm)	Color	Description	Qty.
551 049	KKK 15	15	Grey	KKK 15 mm Wiring Duct Cover	10x2 m
551 050	KKK 25	25	Grey	KKK 25 mm Wiring Duct Cover	10x2 m
551 051	KKK 40	40	Grey	KKK 40 mm Wiring Duct Cover	10x2 m
551 052	KKK 60	60	Grey	KKK 60 mm Wiring Duct Cover	10x2 m
551 053	KKK 80	80	Grey	KKK 80 mm Wiring Duct Cover	10x2 m
551 054	KKK 100	100	Grey	KKK 100 mm Wiring Duct Cover	10x2 m
551 055	KKK 120	120	Grey	KKK 120 mm Wiring Duct Cover	10x2 m
551 056	KKK 150	150	Grey	KKK 150 mm Wiring Duct Cover	10x2 m









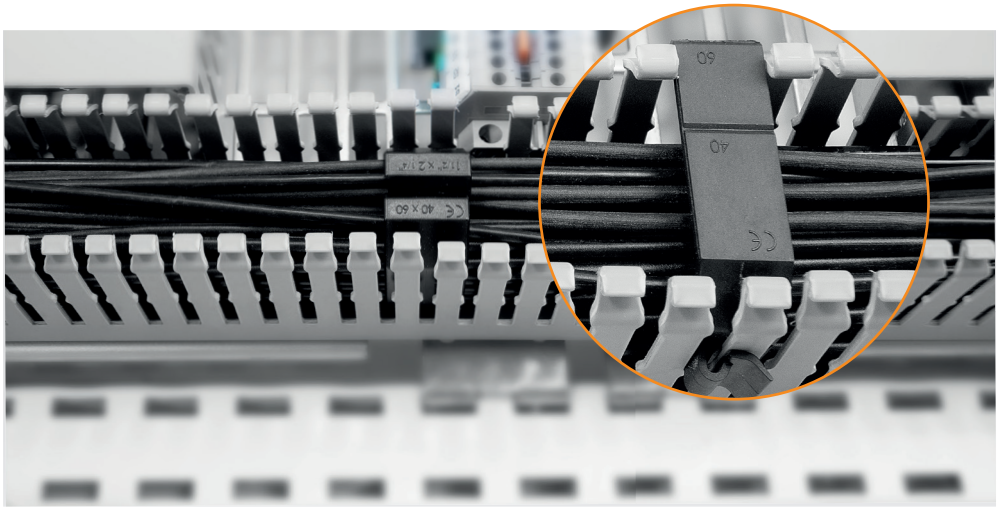
Color			
Color code is the last digit of the order number			
Blue	Black	White	Grey
.....BL	.....BK	.....W	.....BG

Slotted Wiring Ducts

PVC Wiring Ducts Product Range

Wiring Ducts Accessories







SETR PPE 6.5



KKM

Order No	Product	Color	Description	Qty.
553 315	KKT 4040	Black	Wire Retainer	10
553 325	KKT 4060	Black	Wire Retainer	10
553 335	KKT 6080	Black	Wire Retainer	10
553 345	KKT 4080	Black	Wire Retainer	10
553 355	KKT 6040	Black	Wire Retainer	10
553 365	KKT 6060	Black	Wire Retainer	10
553 375	KKT 6010	Black	Wire Retainer	10
553 385	KKT 8060	Black	Wire Retainer	10
553 395	KKT 1006	Black	Wire Retainer	10
553 425	KKT 1206	Black	Wire Retainer	10
553 435	KKT 8080	Black	Wire Retainer	10
553 445	KKT 8010	Black	Wire Retainer	10
553 455	KKT 1008	Black	Wire Retainer	10
553 465	KKT 1001	Black	Wire Retainer	10
553 475	KKT 1208	Black	Wire Retainer	10
553 485	KKT 1201	Black	Wire Retainer	10
553 500	SETR	-	Setting Tool for Rivets	1
553 600	PPE 6.5	Grey	Rivets	100
553 405	KKB	Black	Cable Clamp	10
553 415	KKM	Black	Cable Holder	10



KKT 4040



KKT 1001



KKT 1006



KKT 6040



KKB



KKT 1208



KKT 4080



KKT 4060

Slotted Wiring Ducts

PVC Wiring Ducts Product Range

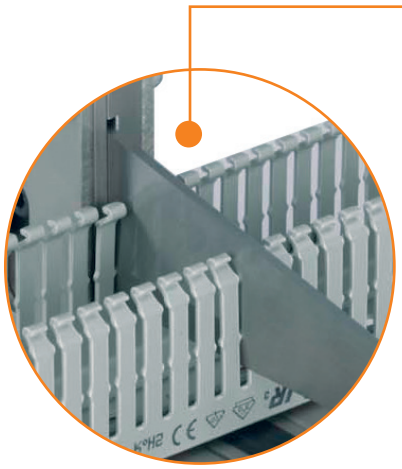
Wiring Duct Cutters



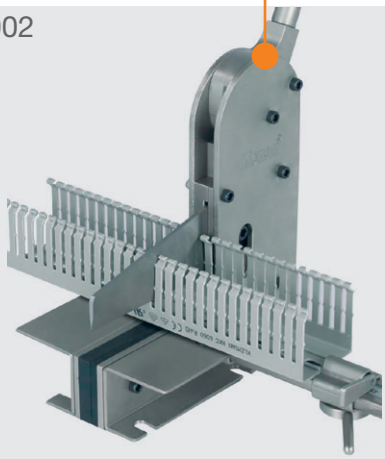
KKMR

Order No	Product	Description	Qty.
553 230	KKMR	Wiring Duct Cutter (Hand Tool)	1

- Burr-free cutting of wiring ducts and wiring duct covers
- Straight or 45º cutting options
- Equal force distribution across blades helps homogenous cutting
- Cutting up to 100 mm width



KMK 1002



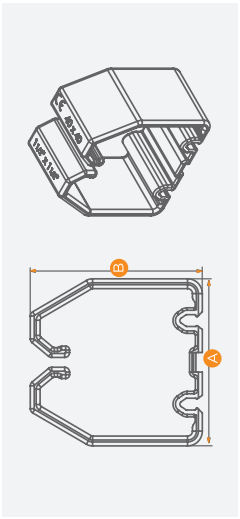
Order No	Product	Description	Qty.
553 220	KMK 1002	Wiring Duct Cutting Tool up to120 mm	1

- Cover cutting
- Burr-free cutting
- Long-lived knife
- Length adjustment guide
- Cutting up to 120 mm width

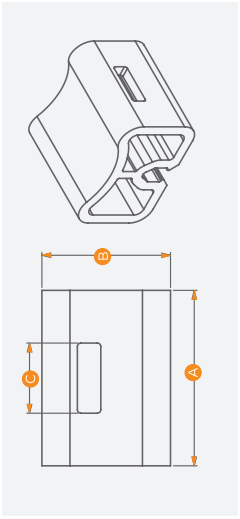
Slotted Wiring Ducts

Technical Specifications

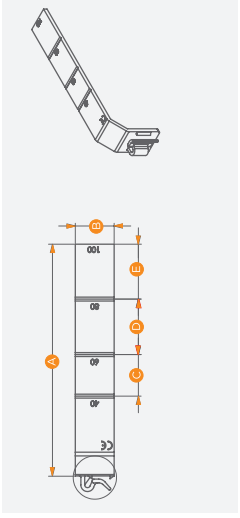
Wire Retainer



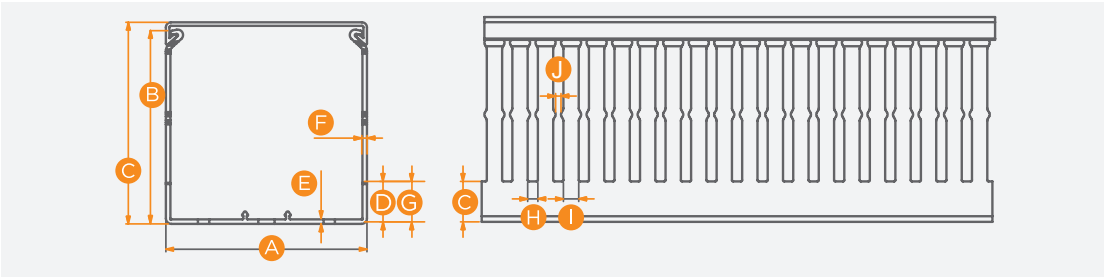
Cable Clamp



Cable Holder



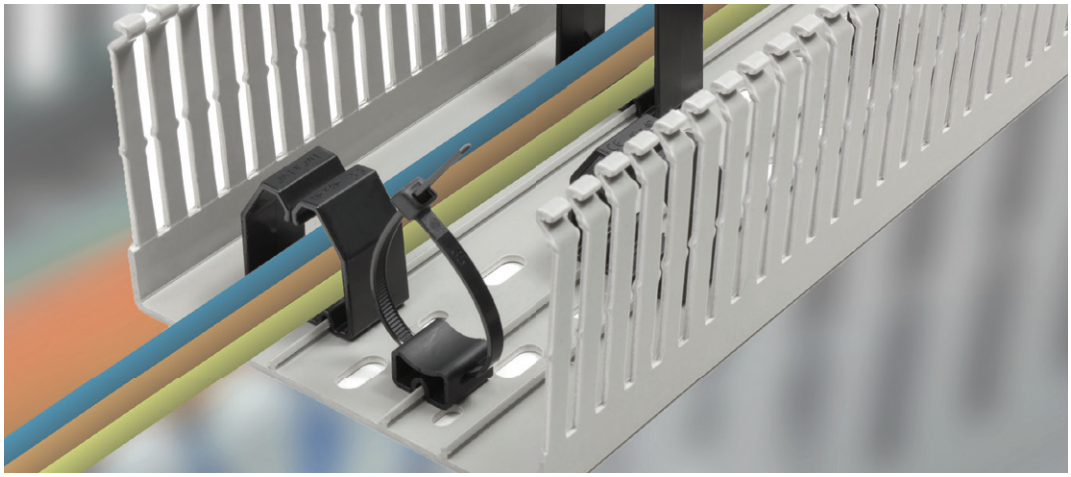
Wiring Duct



Order No	Type	Description	Size (mm)									
			A	B	C	D	E	F	G	H	I	J
551 060	KKC 1518 - Medium	Wiring Duct	15	16,3	18	3,50	1,00	1,00	4,50	5	7,5	2
551 070	KKC 1530 - Medium	Wiring Duct	15	28,3	30	5,00	1,10	1,10	6,10	5	7,5	2
551 080	KKC 1540 - Medium	Wiring Duct	15	38,3	40	9,00	1,20	1,20	10,20	5	7,5	2
551 090	KKC 1560 - Medium	Wiring Duct	15	58,3	60	11,00	1,40	1,40	12,40	5	7,5	2
551 010	KKC 2530 - Narrow	Wiring Duct	25	26,4	30	10,00	1,40	1,40	11,40	4	6	2,1
551 011	KKC 2540 - Narrow	Wiring Duct	25	36,2	40	11,00	1,40	1,40	12,40	4	6	2,1
551 012	KKC 2560 - Narrow	Wiring Duct	25	56,4	60	12,00	1,60	1,60	13,60	4	6	2,1
551 030	KKC 2580 - Narrow	Wiring Duct	25	76,8	80	14,00	1,80	1,80	15,80	4	6	2,1
551 031	KKC 2510 - Narrow	Wiring Duct	25	96,6	100	16,00	1,90	1,90	17,90	4	6	2,1
551 013	KKC 4040 - Narrow	Wiring Duct	40	36,5	40	11,00	1,40	1,40	12,40	4	6	2,1
551 014	KKC 4060 - Narrow	Wiring Duct	40	56,5	60	12,00	1,60	1,60	13,60	4	6	2,1
551 015	KKC 4080 - Narrow	Wiring Duct	40	76,8	80	14,00	1,80	1,80	15,80	4	6	2,1
551 032	KKC 4010 - Narrow	Wiring Duct	40	96,9	100	16,00	1,90	2,00	17,90	4	6	2,1
551 016	KKC 6040 - Narrow	Wiring Duct	60	36,8	40	11,00	1,60	1,60	12,60	4	6	2,1
551 017	KKC 6060 - Narrow	Wiring Duct	60	56,8	60	12,00	1,80	1,80	13,80	4	6	2,1
551 018	KKC 6080 - Narrow	Wiring Duct	60	76,7	80	14,00	1,80	1,80	15,80	4	6	2,1
551 033	KKC 6010 - Narrow	Wiring Duct	60	96,9	100	16,00	2,00	2,00	18,00	4	6	2,1
551 034	KKC 8040 - Narrow	Wiring Duct	80	36,8	40	11,00	1,60	1,60	12,60	4	6	2,1
551 019	KKC 8060 - Narrow	Wiring Duct	80	57,0	60	12,00	1,80	1,80	13,80	4	6	2,1
551 020	KKC 8080 - Narrow	Wiring Duct	80	77,1	80	14,00	1,80	1,80	15,80	4	6	2,1
551 035	KKC 8010 - Narrow	Wiring Duct	80	97,2	100	16,00	2,20	2,20	18,20	4	6	2,1
551 021	KKC 1006 - Narrow	Wiring Duct	100	57,3	60	12,00	2,00	2,00	14,00	4	6	2,1
551 022	KKC 1008 - Narrow	Wiring Duct	100	77,2	80	14,00	2,00	2,00	16,00	4	6	2,1
551 036	KKC 1001 - Narrow	Wiring Duct	100	97,2	100	16,00	2,20	2,30	18,20	4	6	2,1
551 023	KKC 1206 - Narrow	Wiring Duct	120	57,6	60	12,00	2,30	2,00	14,30	4	6	2,1
551 024	KKC 1208 - Narrow	Wiring Duct	120	77,5	80	14,00	2,30	2,00	16,30	4	6	2,1
551 025	KKC 1201 - Narrow	Wiring Duct	120	97,5	100	16,00	2,40	2,40	18,40	4	6	2,1
551 040	KKC 1501 - Narrow	Wiring Duct	150	98,1	100	16,00	2,70	2,70	18,70	4	6	2,1

Slotted Wiring Ducts

Technical Specifications

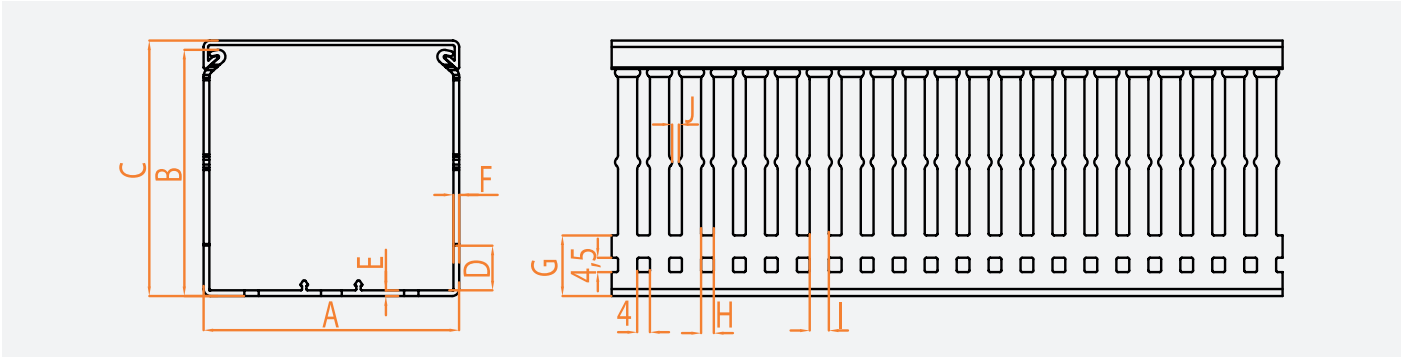


Order No	Type	Description	Size (mm)									
			A	B	C	D	E	F	G	H	I	J
551 013WS	KKC 4040 - Wide	Wiring Duct	40	38,3	40	9,00	1,20	1,20	10,20	8	12	2,1
551 014WS	KKC 4060 - Wide	Wiring Duct	40	56,5	60	12,00	1,60	1,60	13,60	8	12	2,1
551 015WS	KKC 4080 - Wide	Wiring Duct	40	76,8	80	14,00	1,80	1,80	15,80	8	12	2,1
551 032WS	KKC 4010 - Wide	Wiring Duct	40	96,9	100	16,00	1,90	2,00	17,90	8	12	2,1
551 016WS	KKC 6040 - Wide	Wiring Duct	60	36,8	40	11,00	1,60	1,60	12,60	8	12	2,1
551 017WS	KKC 6060 - Wide	Wiring Duct	60	56,8	60	12,00	1,80	1,80	13,80	8	12	2,1
551 018WS	KKC 6080 - Wide	Wiring Duct	60	76,7	80	14,00	1,80	1,80	15,80	8	12	2,1
551 033WS	KKC 6010 - Wide	Wiring Duct	60	96,9	100	16,00	2,00	2,00	18,00	8	12	2,1
551 034WS	KKC 8040 - Wide	Wiring Duct	80	36,8	40	11,00	1,60	1,60	12,60	8	12	2,1
551 019WS	KKC 8060 - Wide	Wiring Duct	80	57,0	60	12,00	1,80	1,80	13,80	8	12	2,1
551 020WS	KKC 8080 - Wide	Wiring Duct	80	77,1	80	14,00	1,80	1,80	15,80	8	12	2,1
551 035WS	KKC 8010 - Wide	Wiring Duct	80	97,2	100	16,00	2,20	2,20	18,20	8	12	2,1
551 021WS	KKC 1006 - Wide	Wiring Duct	100	57,3	60	12,00	2,00	2,00	14,00	8	12	2,1
551 022WS	KKC 1008 - Wide	Wiring Duct	100	77,2	80	14,00	2,00	2,00	16,00	8	12	2,1
551 036WS	KKC 1001 - Wide	Wiring Duct	100	97,2	100	16,00	2,20	2,30	18,20	8	12	2,1
551 023WS	KKC 1206 - Wide	Wiring Duct	120	57,6	60	12,00	2,30	2,00	14,30	8	12	2,1
551 024WS	KKC 1208 - Wide	Wiring Duct	120	77,5	80	14,00	2,30	2,00	16,30	8	12	2,1
551 025WS	KKC 1201 - Wide	Wiring Duct	120	97,5	100	16,00	2,40	2,40	18,40	8	12	2,1
551 040WS	KKC 1501 - Wide	Wiring Duct	150	98,1	100	16,00	2,70	2,70	18,70	8	12	2,1

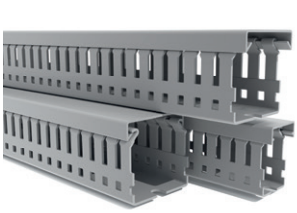
PVC Wiring Duct with Additional Holes (Wide Slotted)

Technical Specifications

Wiring Duct



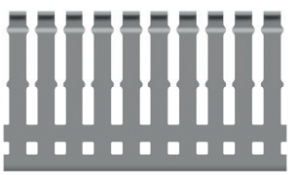
Order No	Type	Description	Size (mm)										Color	Qty.
			A	B	C	D	E	F	G	H	I	J		
555 2530	KKD 2530 - Narrow	Wiring Duct	25	26,4	30	11,00	1,40	1,40	12,40	4	6	2,10	Grey	50x2 m
555 2540	KKD 2540 - Narrow	Wiring Duct	25	36,2	40	14,60	1,40	1,40	16,00	4	6	2,10	Grey	50x2 m
555 2560	KKD 2560 - Narrow	Wiring Duct	25	56,4	60	14,90	1,60	1,60	16,50	4	6	2,10	Grey	30x2 m
555 2580	KKD 2580 - Narrow	Wiring Duct	25	76,8	80	17,20	1,80	1,80	19,00	4	6	2,10	Grey	28x2 m
555 2510	KKD 2510 - Narrow	Wiring Duct	25	96,6	100	17,20	1,90	1,90	19,10	4	6	2,10	Grey	22x2 m
555 4040	KKD 4040 - Narrow	Wiring Duct	40	36,5	40	14,60	1,40	1,40	16,00	4	6	2,10	Grey	26x2 m
555 4060	KKD 4060 - Narrow	Wiring Duct	40	56,5	60	14,90	1,60	1,60	16,50	4	6	2,10	Grey	18x2 m
555 4080	KKD 4080 - Narrow	Wiring Duct	40	76,8	80	17,20	1,80	1,80	19,00	4	6	2,10	Grey	20x2 m
555 4010	KKD 4010 - Narrow	Wiring Duct	40	96,9	100	17,20	1,90	2,00	19,10	4	6	2,10	Grey	14x2 m
555 6040	KKD 6040 - Narrow	Wiring Duct	60	36,8	40	14,20	1,60	1,60	16,00	4	6	2,10	Grey	18x2 m
555 6060	KKD 6060 - Narrow	Wiring Duct	60	56,8	60	14,70	1,80	1,80	16,50	4	6	2,10	Grey	12x2 m
555 6080	KKD 6080 - Narrow	Wiring Duct	60	76,7	80	17,20	1,80	1,80	19,00	4	6	2,10	Grey	12x2 m
555 6010	KKD 6010 - Narrow	Wiring Duct	60	96,9	100	17,10	2,00	2,00	19,10	4	6	2,10	Grey	18x2 m
555 8040	KKD 8040 - Narrow	Wiring Duct	80	36,8	40	14,20	1,60	1,60	16,00	4	6	2,10	Grey	18x2 m
555 8060	KKD 8060 - Narrow	Wiring Duct	80	57,00	60	14,70	1,80	1,80	16,50	4	6	2,10	Grey	14x2 m
555 8080	KKD 8080 - Narrow	Wiring Duct	80	77,1	80	17,20	1,80	1,80	19,00	4	6	2,10	Grey	10x2 m
555 8010	KKD 8010 - Narrow	Wiring Duct	80	97,2	100	16,90	2,20	2,20	19,10	4	6	2,10	Grey	12x2 m
555 1006	KKD 1006 - Narrow	Wiring Duct	100	57,3	60	14,50	2,00	2,00	16,50	4	6	2,10	Grey	10x2 m
555 1008	KKD 1008 - Narrow	Wiring Duct	100	77,2	80	17,00	2,00	2,00	19,00	4	6	2,10	Grey	8x2 m
555 1001	KKD 1001 - Narrow	Wiring Duct	100	97,2	100	16,90	2,20	2,30	19,10	4	6	2,10	Grey	12x2 m
555 1206	KKD 1206 - Narrow	Wiring Duct	120	57,6	60	14,20	2,30	2,00	16,50	4	6	2,10	Grey	8x2 m
555 1208	KKD 1208 - Narrow	Wiring Duct	120	77,5	80	16,70	2,30	2,00	19,00	4	6	2,10	Grey	6x2 m
555 1201	KKD 1201 - Narrow	Wiring Duct	120	97,5	100	16,70	2,40	2,40	19,10	4	6	2,10	Grey	10x2 m
555 1501	KKD 1501 - Narrow	Wiring Duct	150	98,1	100	16,60	2,70	2,70	19,10	4	6	2,10	Grey	10x2 m









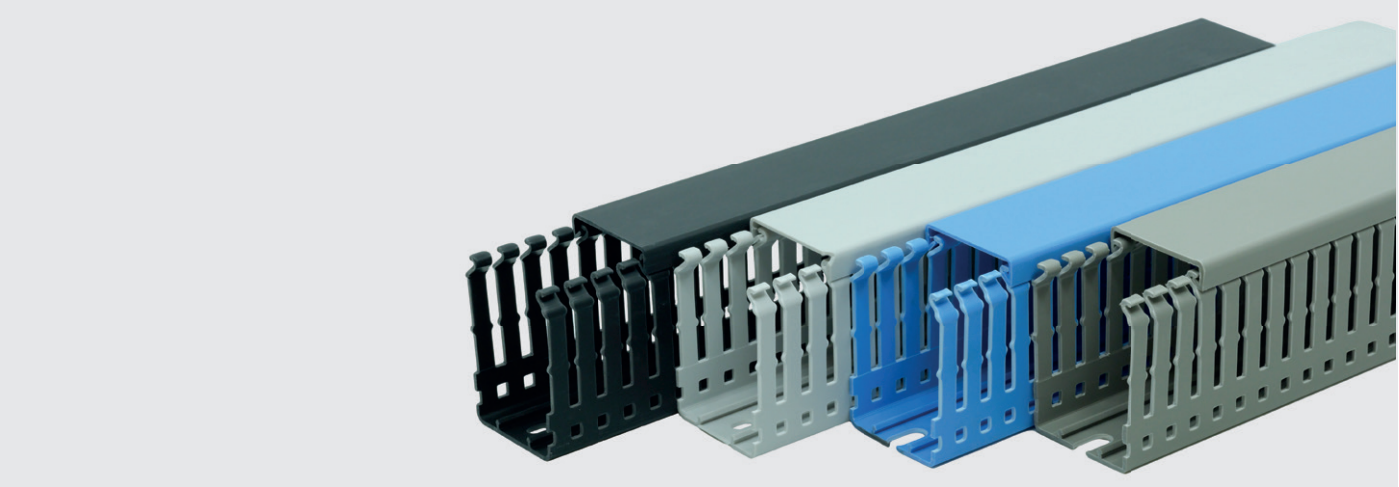


- Can be used with cable tie thanks to additional holes on the sides.
- Flame-retardant, self-extinguishing according to UL94-V0
- Upper scorline is available for breaking off the ribs.
- Lower scorline is available.
- Operating Temperature: -15°C to 60°C
- Standard Length: 2 meters
- Color Option: RAL 7030 Grey
- Complies with RoHS regulations.
- Complies with IEC 60695-2-1 and EN 50085-2-3 standards.

* Wiring duct covers are included the package.

PVC Wiring Duct with Additional Holes (Wide Slotted)

Technical Specifications



Order No	Type	Description	Size (mm)										Color	Qty.
			A	B	C	D	E	F	G	H	I	J		
555 2540WS	KKD 2540 - Wide	Wiring Duct	25	36,2	40	14,6	1,4	1,4	16	8	12	2,1	Grey	50x2 m
555 2560WS	KKD 2560 - Wide	Wiring Duct	25	56,4	60	14,9	1,6	1,6	16,5	8	12	2,1	Grey	30x2 m
555 2580WS	KKD 2580 - Wide	Wiring Duct	25	76,8	80	17,2	1,8	1,8	19	8	12	2,1	Grey	28x2 m
555 2510WS	KKD 2510 - Wide	Wiring Duct	25	96,6	100	17,2	1,9	1,9	19,1	8	12	2,1	Grey	22x2 m
555 4040WS	KKD 4040 - Wide	Wiring Duct	40	36,5	40	14,6	1,4	1,4	16	8	12	2,1	Grey	26x2 m
555 4060WS	KKD 4060 - Wide	Wiring Duct	40	56,5	60	15	1,6	1,6	16,6	8	12	2,1	Grey	50x2 m
555 4080WS	KKD 4080 - Wide	Wiring Duct	40	76,8	80	17,2	1,8	1,8	19	8	12	2,1	Grey	50x2 m
555 4010WS	KKD 4010 - Wide	Wiring Duct	40	96,9	100	17,2	1,9	2	19,1	8	12	2,1	Grey	30x2 m
555 6040WS	KKD 6040 - Wide	Wiring Duct	60	36,8	40	14,2	1,6	1,6	16	8	12	2,1	Grey	18x2 m
555 6060WS	KKD 6060 - Wide	Wiring Duct	60	56,8	60	14,8	1,8	1,8	16,6	8	12	2,1	Grey	28x2 m
555 6080WS	KKD 6080 - Wide	Wiring Duct	60	76,7	80	17,2	1,8	1,8	19	8	12	2,1	Grey	22x2 m
555 6010WS	KKD 6010 - Wide	Wiring Duct	60	96,9	100	17,1	2	2	19,1	8	12	2,1	Grey	26x2 m
555 8040WS	KKD 8040 - Wide	Wiring Duct	80	36,8	40	14,2	1,6	1,6	16	8	12	2,1	Grey	18x2 m
555 8060WS	KKD 8060 - Wide	Wiring Duct	80	57	60	14,8	1,8	1,8	16,6	8	12	2,1	Grey	18x2 m
555 8080WS	KKD 8080 - Wide	Wiring Duct	80	77,1	80	17,2	1,8	1,8	19	8	12	2,1	Grey	20x2 m
555 8010WS	KKD 8010 - Wide	Wiring Duct	80	97,2	100	16,9	2,2	2,2	19,1	8	12	2,1	Grey	14x2 m
555 1006WS	KKD 1006 - Wide	Wiring Duct	100	57,3	60	14,6	2	2	16,6	8	12	2,1	Grey	18x2 m
555 1008WS	KKD 1008 - Wide	Wiring Duct	100	77,2	80	17	2	2	19	8	12	2,1	Grey	12x2 m
555 1001WS	KKD 1001 - Wide	Wiring Duct	100	97,2	100	16,9	2,2	2,3	19,1	8	12	2,1	Grey	12x2 m
555 1206WS	KKD 1206 - Wide	Wiring Duct	120	57,6	60	14,3	2,3	2	16,6	8	12	2,1	Grey	18x2 m
555 1208WS	KKD 1208 - Wide	Wiring Duct	120	77,5	80	16,7	2,3	2	19	8	12	2,1	Grey	18x2 m
555 1201WS	KKD 1201 - Wide	Wiring Duct	120	97,5	100	16,7	2,4	2,4	19,1	8	12	2,1	Grey	14x2 m
555 1501WS	KKD 1501 - Wide	Wiring Duct	150	98,1	100	16,6	2,7	2,7	19,1	8	12	2,1	Grey	10x2 m

Color			
Color code is the last digit of the order number			
Blue	Black	White	Grey
.....BL	.....BK	.....W	.....BG

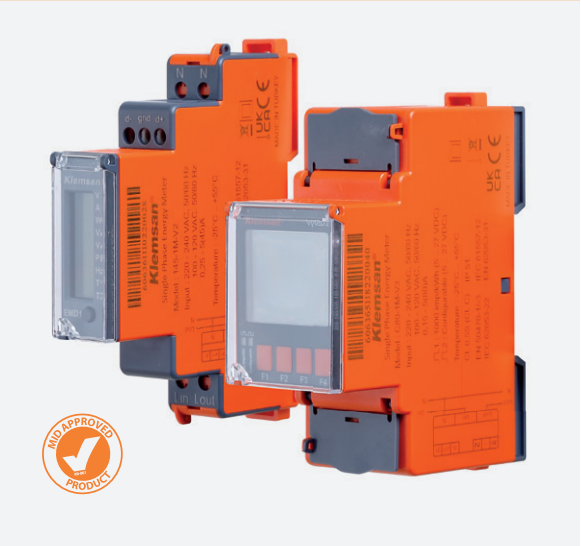
Klemsan

Electronic & Energy Management Products

Electronic Products

MED/EMD 1-2 Series Energy Meters

The MED and EMD 1-2 series energy meters, designed in rail-mounted enclosures of 18 mm and 36 mm, enable the measurement and monitoring of basic electrical parameters in addition to energy consumption for single-phase systems.
With optional MID approval, they offer effective and competitive solutions for billing needs in applications such as marinas and shopping centers.
Equipped with digital outputs and an RS485 (Modbus RTU) interface, the devices can meet different requirements while directly participating in energy monitoring applications.
Accepting current inputs up to 45A and 80A, the devices eliminate the need for current transformers in projects.



- Optional MID Approval
- Direct connection up to 45A and 80A in addition to current transformer models
- High Measurement Accuracy
- 4 sub-tariffs with real-time clock in addition to 2 main tariffs
- RS485 (Modbus RTU) Option
- 2 Digital Output Options
- Free user interface software

Product Name	Order No	Definition	MID Approval	Basic Electrical Parameters	Only Import Active Energy	4 Quadrant Energy Measurement	Measuring Accuracy	Min / Max Data Logging	Total Harmonic Distortion (THD)	Individual Harmonics (up to 31st)	Demand	Alarm Setting	LCD Screen	Digital Outputs (2 Qty)	Main Tariff	Sub-tariffs	RS485 (Modbus RTU)	85-300 V DC/DC	45Amps Direct Connection	80Amps Direct Connection	X/1 & X/5	Enclosure Dimension	Rail Mount
B45-0W-01	606357	MED1	√		√		Class B						√	1	1			√	√			18 mm	√
B45-1M-V1	606358	MED1	√	√		√	Class B				√		√	2	2		√	√	√			18 mm	√
B45-0M-01	606359	MED1	√	√		√	Class B						√	1	1			√	√			18 mm	√
145-0W-01	606360	EMD1			√		Class 1	√	√	√			√	1	1			√	√			18 mm	√
145-1M-V2	606361	EMD1		√		√	Class 1	√	√	√	√	√	√		2		√	√	√			18 mm	√
145-0M-01	606362	EMD1		√		√	Class 1	√	√	√			√	1	1			√	√			18 mm	√
C80-1M-V3CT	606363	MED2	√	√		√	Class C				√		√	2	2	4	√	√			√	36 mm	√
B80-1M-V2CT	606364	MED2	√	√		√	Class B				√		√	2	2		√	√			√	36 mm	√
C80-1M-V3	606365	MED2	√	√		√	Class C				√		√	2	2	4	√	√		√		36 mm	√
B80-1M-V2	606366	MED2	√	√		√	Class B				√		√	2	2		√	√		√		36 mm	√
B80-0M-02	606367	MED2	√	√		√	Class B						√	2	1			√		√		36 mm	√
B80-0M-02P	606368	MED2	√	√		√	Class B						√	2	1			√		√		36 mm	√
B80-0W-01	606369	MED2	√		√		Class B						√	1	1			√		√		36 mm	√
580-1M-V4CT	606370	EMD2		√		√	Class 0.5	√	√	√	√	√	√		2	4	√	√			√	36 mm	√
180-0M-V1CT	606371	EMD2		√		√	Class 1	√	√	√			√	2	1			√			√	36 mm	√
180-0W-01	606372	EMD2			√		Class 1	√	√	√			√	1	1			√		√		36 mm	√
580-1M-V3	606373	EMD2		√		√	Class 0.5	√	√	√	√	√	√	2	2	4	√	√		√		36 mm	√
180-0M-02	606374	EMD2		√		√	Class 1	√	√	√			√	2	1			√		√		36 mm	√
180-1M-V2	606375	EMD2		√		√	Class 1	√	√	√	√	√	√		2		√	√		√		36 mm	√

Electronic Products

MED/EMD 4 Series 3-Phase Energy Meters

The MED4 and EMD4 series are optionally MID-approved energy meters, designed in 72mm rail-mounted enclosures, allow for the measurement and monitoring of energy consumption and basic electrical parameters for three-phase systems. Equipped with digital inputs/outputs and an RS485 (Modbus RTU) interface, the devices can meet different requirements while directly participating in energy monitoring applications. Accepting current inputs up to 100A, the devices eliminate the need for current transformers in projects.

- Optional MID Approval
- Direct connection up to 100A in addition to current transformer models
- High Measurement Accuracy
- 3 Tariffs Option
- RS485 (Modbus RTU) Option
- 2 Digital Output Options
- 2 Digital Input Options
- Free user interface software



Product Name	Order No	Definition	Voltage, Current and Frequency	4 Quadrant Energy Measurement	2 Quadrant Reactive Energy Monitoring	4 Quadrant Reactive Energy Monitoring	Measuring Accuracy	Min / Max Data Logging	Total Harmonic Distortion (THD)	Individual Harmonics (up to 31st)	Demand	Alarm Setting	LCD Screen	Digital Outputs	Digital Inputs	Main Tariff	RS485 (Modbus RTU)	85-300 V DC/DC	80Amps Direct Connection	X/1 & X/5	Enclosure Dimension	Rail Mount
C100-1M-V4	606 800	MED4	√	√	√		Class B		√		√		√	2	2	2	√	√	√		72 mm	√
C100-1M-V2	606 801	MED4	√	√	√		Class B		√		√		√	0	0	1	√	√	√		72 mm	√
B100-0M-V3	606 802	MED4	√	√	√		Class B		√		√		√	2	2	2		√	√		72 mm	√
B100-0M-V1	606 803	MED4	√	√	√		Class B		√		√		√	2	0	2		√	√		72 mm	√
C100-1M-V4CT	606 804	MED4	√	√	√		Class B		√		√		√	2	2	2	√	√		√	72 mm	√
C100-1M-V2CT	606 805	MED4	√	√	√		Class B		√		√		√	0	0	1	√	√		√	72 mm	√
B100-0M-V3CT	606 806	MED4	√	√	√		Class B		√		√		√	2	2	2		√		√	72 mm	√
B100-0M-V1CT	606 807	MED4	√	√	√		Class B		√		√		√	2	0	2		√		√	72 mm	√
5100-1M-V1CT	606 808	EMD4	√	√	√		Class 0.5	√	√	√	√	√	√	0	0	1	√	√		√	72 mm	√
5100-1M-V2CT	606 809	EMD4	√	√	√		Class 0.5	√	√	√	√	√	√	2	2	3	√	√		√	72 mm	√
5100-1Q-V1	606 810	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	0	0	1	√	√	√		72 mm	√
5100-1Q-V2	606 811	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	2	2	3	√	√	√		72 mm	√
B100-0W-01	606 812	MED4	√	√	√		Class B						√	1	0	1		√	√		72 mm	√
C100-1Q-V3	606 814	MED4	√	√		√	Class B		√		√		√	2	2	2	√	√	√		72 mm	√
B100-1Q-V2	606 815	MED4	√	√		√	Class B		√		√		√	1	0	1	√	√	√		72 mm	√
C100-1Q-V3CT	606 816	MED4	√	√		√	Class B		√		√		√	2	2	2	√	√		√	72 mm	√
5100-1Q-V2CT	606 817	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	2	2	3	√	√		√	72 mm	√

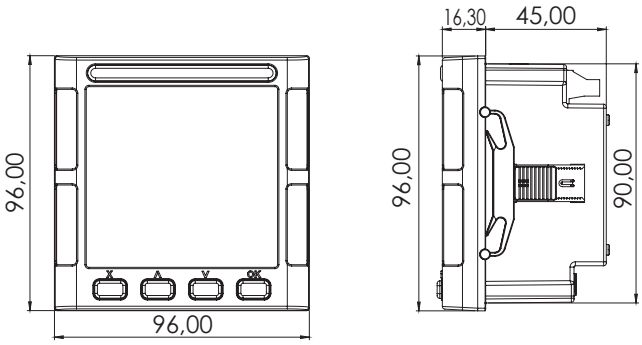
Electronic Products

ECRAS 3-4 Multimeter Series

The new ECRAS series multimeters with ghost screen technology are designed to measure current, voltage, frequency, and power parameters in 3-phase electrical systems. The new ECRAS series, which offers 45 mm depth and vertical cable connection, is most suitable for use in narrow panels.



- Ghost Screen Technology with 4.2 inches Width
- IP54 protection class for front panel
- 45 mm Depth
- x/1 and x/5 Current Transformer Support
- Current connection terminals with 4 mm² cross-section
- High Measurement Accuracy
- RS485 (Modbus RTU) Option
- 2 SPST Relay Output Options
- Free user interface software



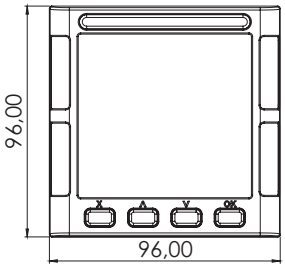
Product Name	Order No	Definition	Voltage, Current and Frequency	Power (P, Q, S) and Power Factor (PF)	Total Harmonic Distortion (THD)	Demand	Alarm Setting	Relay Outputs (2 pcs)	RS485 (Modbus RTU)	85-300 V DC/DC	X/1 & X/5	Panel Mount	Ghost Screen
ECRAS 300	606 500	Electronic Multimeter	√							√	√	√	√
ECRAS 301	606 501	Electronic Multimeter	√				√	√		√	√	√	√
ECRAS 400	606 502	Electronic Multimeter	√	√						√	√	√	√
ECRAS 400R	606 503	Electronic Multimeter	√	√			√		√	√	√	√	√
ECRAS 411R	606 504	Electronic Multimeter	√	√	√	√	√	√	√	√	√	√	√

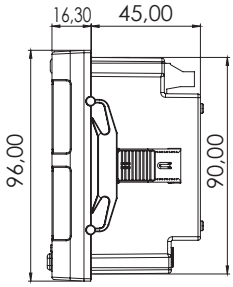
KLEA 4 Series Energy Analyzer

The new KLEA 4 series energy analyzers are devices designed to analyze 3-phase electrical systems. The new KLEA 4 series, which offers 45 mm depth and vertical cable connection, is most suitable for use in narrow panels. It can also be used in remote monitoring projects thanks to the optional RS485 (Modbus RTU) interface on the devices. Thanks to their optional digital outputs, pulse outputs can be created according to the measured energy values. Digital inputs can be used as pulse counters or tariff activation.



- 4.2 inch Ghost Screen
- IP54 protection class
- 45 mm Depth
- x/1 and x/5 Current Transformer Support
- Current connection terminals with 4 mm² cross-section
- High Measurement Accuracy
- RS485 (Modbus RTU) Option
- 2 SPST Relay Output Options
- 2 Digital Input/Output Options
- Free user interface software





Product Name	Order No	V, C, F	P, Q, S, PF	Min / Max Data Log.	4Q. Energy Measur.	2Q Reactive Energy Monit.	THD	Individual Harmonics (up to 31st)	Demand	On Hour, Run Hour, Pow. Interruption Count.	Alarm Setting	Ghost Screen	Relay Outputs (2 pcs)	Digital Outputs (2 Qty)	Digital Inputs (2 Qty)	Tariff	RS485 (Modbus RTU)	85-300 V DC/DC	X/1& X/5	Panel Mount
KLEA 400R	606700	√	√	√	√	√			√	√	√	√				1	√	√	√	√
KLEA 405	606705	√	√	√	√	√			√	√		√		√	√	2		√	√	√
KLEA 405R	606701	√	√	√	√	√			√	√	√	√		√	√	2	√	√	√	√
KLEA 406R	606702	√	√	√	√	√			√	√	√	√	√	√	√	2	√	√	√	√
KLEA 411R	606706	√	√	√	√	√	√	√	√	√	√	√	√			1	√	√	√	√

Electronic Products

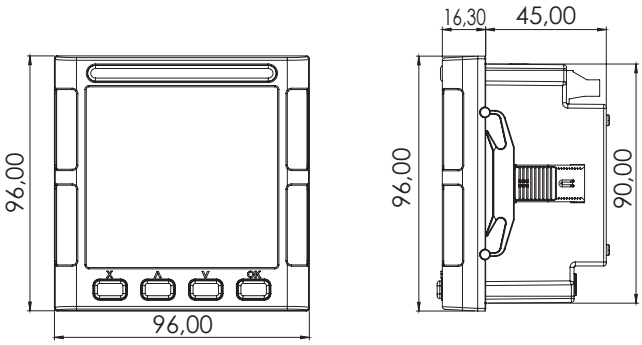
KLEA 5 Series Energy Analyzer

The new KLEA 5 series energy analyzers are devices designed to analyze 3-phase electrical systems. The new KLEA 5 series, which offers 45 mm depth and vertical cable connection, is most suitable for use in narrow panels. It can also be used in remote monitoring projects thanks to the optional Ethernet (Modbus TCP) port in addition to the RS485 (Modbus RTU) interface on the devices. Thanks to their optional digital outputs, pulse outputs can be created according to the measured energy values. Digital inputs can be used as pulse counters or tariff activation.

With the model-based “Gateway Feature”, the data of other serial devices connected to KLEA can be transferred to the related platforms without the need for an external gateway.



- 4.2 inch LCD Screen
- IP54 protection class
- 45 mm Depth
- X/1 and X/5 Current Transformer Support
- Current connection terminals with 4mm² cross-section
- High Measurement Accuracy
- RS485 (Modbus RTU) Option
- Ethernet (Modbus TCP) Option
- 2 SPST Relay Output Options
- 2 Digital Input/Output Options
- Free user interface software



Product Name	Order No	V, C, F	P, Q, S, PF	Min / Max Data Logging	4Q. Energy Measur.	4Q Reactive Energy Monit.	THD	Individual Harmonics (up to 31st)	Demand	On Hour, Run Hour, Power Interruption Counters	Alarm Setting	LCD Screen	RO (2 pcs)	DO (2 pcs)	DI (2 pcs)	Tariff	RS485 (Modbus RTU)	Ethernet (Modbus TCP)	Gateway Feature	85-300 V DC/ DC	X/1 & X/5	Panel Mount
KLEA 500R	606703	√	√	√	√	√	√	√	√	√	√	√				1	√			√	√	√
KLEA 506R	606704	√	√	√	√	√	√	√	√	√	√	√	√	√	√	3	√			√	√	√
KLEA 500RE	606707	√	√	√	√	√	√	√	√	√	√	√				1	√	√		√	√	√
KLEA 506RE	606708	√	√	√	√	√	√	√	√	√	√	√	√	√	√	3	√	√		√	√	√
KLEA 516RE	606709	√	√	√	√	√	√	√	√	√	√	√	√	√	√	3	√	√	√	√	√	√

Electronic Products

KLEA 1-2-3 Series Energy Analyzer



Type			KLEA 320P	KLEA 370P	KLEA 322P	KLEA 324P	KLEA 320P-D
Definiton			3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer
Order Number			606100	606101	606102	606103	606130
General	Seven Segment Display		-	-	-	-	-
	LCD		Available	Available	Available	Available	Available
	Language Support		Turkish, English, Russian	Turkish, English, Russian	Turkish, English, Russian	Turkish, English, Russian	Turkish, English, Russian
	Battery		Available	Available	Available	Available	Available
	Real Time Clock		Available	Available	Available	Available	Available
	Password Protection		Available	Available	Available	Available	Available
	Current Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1-5000
	Voltage Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1-5000
	Demand Period		1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable
	Connection Type		3P4W, 3P3W, Aron	3P4W, 3P3W, Aron	3P4W, 3P3W, Aron	3P4W, 3P3W, Aron	3P4W, 3P3W, Aron
	Measurement in Quadrants		4	4	4	4	4
	Number of Measurement in a period		512	512	512	512	512
	LCD/Display Refresh Period		1 sec	1 sec	1 sec	1 sec	1 sec
	Networks		TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
	Phasor Diagram		Available	Available	Available	Available	Available
	Signal Waveforms		Available	Available	Available	Available	Available
	Min/Max/Demand Values		Available	Available	Available	Available	Available
Energy Measurement	Number of Tariffs		2	2	2	2	2
	Multi Sub-Tariffs (Peak, Day and Off-Peak)		Available	Available	Available	Available	Available
	1Ø Phase Energy Meters		Available	Available	Available	Available	Available
	3Ø Phase Energy Meters		Available	Available	Available	Available	Available
	4-Quadrant Reactive Energy Meters		-	-	-	-	Available
Current Measurement Input	Measurement Range		10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
	Overvoltage Category		300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
	Measurement Surge Voltage		2 kV	2 kV	2 kV	2 kV	2 kV
	Power Consumption		<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
	intermittent overload		100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
	Sampling Freq.between 45-65 Hz		25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz
Voltage Measurement Input	Overvoltage Category		300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
	Measured Range L-N		1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms
	Measured Range L-L		2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms
	Measured Frequency Range		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Power Consumption		<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
	Sampling Freq.between 45-65 Hz		25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz
Power Quality Measurements	Harmonics for current and voltage phases		Upto 51st	Upto 51st	Upto 51st	Upto 51st	Upto 51st
	THD-Voltage in %		Available	Available	Available	Available	Available
	THD-Current in %		Available	Available	Available	Available	Available
Other Measurements	Run Hour (Operating time for load in hours)		Available	Available	Available	Available	Available
	On Hour (Operating time for meter in hours)		Available	Available	Available	Available	Available
	Int Counter (Number of power interruptions)		Available	Available	Available	Available	Available
Measurement Accuracy	According to IEC 61557-12	Total Active Power	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Total Reactive Power	Class 1	Class 1	Class 1	Class 1	Class 1
		Total Apparent Power	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Total Active Energy	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2
		Frequency	Class 0.05	Class 0.05	Class 0.05	Class 0.05	Class 0.05
		Current	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Neutral Current (calculated)	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Voltage	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Power factor	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		THDV, THDI	Class 1	Class 1	Class 1	Class 1	Class 1
	According to IEC 62053-22	Total Active Energy	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S
	Accoding to IEC 62053-23	Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2

Electronic Products

KLEA 1-2-3 Series Energy Analyzer









KLEA 370P-D	KLEA 220P	KLEA 110P	KLEA-370P-VSM	KLEA-320P-DC	KLEA-220P-DC	KLEA 220P-B
3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer
606131	606160	606180	606121	606150	606190	606163
-	-	Available	-	-	-	-
Available	Available	-	Available	Available	Available	Available
Turkish, English, Russian	-	-	Turkish, English, Russian	Turkish, English, Russian	-	-
Available	-	-	Available	Available	-	-
Available	-	-	Available	Available	-	-
Available	Available	Available	Available	Available	Available	Available
1-5000	1-5000	1-5000	1 - 5.000	1 - 5.000	1 - 5.000	1-5000
1-5000	1-5000	1-5000	1 - 5.000	1 - 5.000	1 - 5.000	1-5000
1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable
3P4W, 3P3W, Aron	3P4W, 3P3W	3P4W, 3P3W	3P4W, 3P3W, Aron	3P4W, 3P3W, Aron	3P4W, 3P3W	3P4W, 3P3W
4	4	4	4	4	4	4
512	256	256	512	512	256	256
1 sec	1 sec	1 sec	1 sec	1 sec	1 sec	1 sec
TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
Available	-	-	Available	Available	-	-
Available	-	-	Available	Available	-	-
Available	Available	Available	Available	Available	Available	Available
2	2	2	2 + 7 different energy meters	2	2	1
Available	-	-	Available	Available	-	-
Available	-	-	Available	Available	-	-
Available	Available	Available	Available	Available	Available	Available
Available	-	-	-	-	-	-
10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
2 kV	2 kV	2 kV	2 kV	2 kV	2 kV	2 kV
<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
25,6 kHz	12,8 kHz	12,8 kHz	25,6 kHz	25,6 kHz	12,8 kHz	12,8 kHz
300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms
2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms
45-65 Hz	45-65 Hz	45-65 Hz	45...65 Hz	45...65 Hz	45...65 Hz	45-65 Hz
<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
25,6 kHz	12,8 kHz	12,8 kHz	25,6 kHz	25,6 kHz	12,8 kHz	12,8 kHz
Upto 51st	Upto 31st	Upto 31st	Upto 51st	Upto 51st	Upto 31st	Upto 31st
Available	Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available	Available
Class 0.2	Class 0.5	Class 0.5	Class 0.2	Class 0.2	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.2	Class 0.5	Class 0.5	Class 0.2	Class 0.2	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Class 0.05	Class 0.1	Class 0.1	Class 0.05	Class 0.05	Class 0.1	Class 0.1
Class 0.2	Class 0.5	Class 0.5	Class 0.2	Class 0.2	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.2S	Class 0.5S	Class 0.5S	Class 0.2S	Class 0.2S	Class 0.5S	Class 0.5S
Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2

KLEA 1-2-3 Series Energy Analyzer

Type			KLEA 320P	KLEA 370P	KLEA 322P	KLEA 324P	KLEA 320P-D
Inputs and Outputs	Alarm Relay Outputs	Number of outputs	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
		Type	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	5 A	5 A	5 A	5 A	5 A
		Max. Switching Voltage	250 V AC	250 V AC	250 V AC	250 V AC	250 V AC
		Max. Switching Power	1250 VA	1250 VA	1250 VA	1250 VA	1250 VA
Inputs and Outputs	Digital Inputs	Number of inputs	2 pcs.	7 pcs.	2 pcs.	2 pcs.	2 pcs.
		Frequency	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms
		Input Present or Not	Dry Contact	Dry Contact	Dry Contact	Dry Contact	Dry Contact
		Isolation Level	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms
	Digital Outputs	Number of outputs	2 pcs.	7 pcs.	2 pcs.	2 pcs.	2 pcs.
		Output type	Transistor	Transistor	Transistor	Transistor	Transistor
		Switching Voltage Range	5-30 VDC	5-30 VDC	5-30 VDC	5-30 VDC	5-30 VDC
		Frequency	20 Hz, 50 ms	20 Hz, 50 ms	20 Hz, 50 ms	20 Hz, 50 ms	20 Hz, 50 ms
		Isolation Level	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms
	Analog Outputs	Range of Outputs 0-5 V, 0-10 V, -5-5 V, -10-10V, 0-20 mA, 4-20 mA	-	-	2	4	-
		Isolation	-	-	Available	Available	-
Supply	Voltage	AC	85-300V	85-300V	85-300V	85-300V	85-300V
		DC	85-300V	85-300V	85-300V	85-300V	85-300V
	Consumption	AC	< 3VA	< 3VA	< 3VA	< 3VA	< 3VA
		DC	<2.5W	<2.5W	<2.5W	<2.5W	<2.5W
	Frequency		45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
Data Logging with timestamp	Min/max/avg Values	Hourly records	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters
		Daily records	240 days x 68 different paramaters	240 days x 68 different paramaters	240 days x 68 different paramaters	240 days x 68 different paramaters	240 days x 68 different paramaters
		Monthly records	36 months x 68 different parameters	36 months x 68 different parameters	36 months x 68 different parameters	36 months x 68 different parameters	36 months x 68 different parameters
	Demand		4 months x 16 different parameters	4 months x 16 different parameters	4 months x 16 different parameters	4 months x 16 different parameters	4 months x 16 different parameters
	Alarm records		50	50	50	50	50
Communication	Protocol		Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU
	Baud rate		2400-115200 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable
	Parity number		None	None	None	None	None
	Stop bit		1	1	1	1	1
	Address		1-247	1-247	1-247	1-247	1-247
	Isolation		2750V RMS	2750V RMS	2750V RMS	2750V RMS	2750V RMS
Mechanical Properties	Weight(g)		404	428	428	428	404
	Protection Class		Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
	Assembly Type		Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Cable Cross Sections	Supply, Voltage, Current, Relay Outputs	Stranded	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG
		Solid	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
	Digital I/O, RS 485, Analog Output	Stranded	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG
		Solid	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG
Ambient Conditions	Operating Temperature		-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
	Storage Temperature		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
	Relative Humidity (no condensation)		Max.95%	Max.95%	Max.95%	Max.95%	Max.95%
Accessories		Type	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)
		Definition	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER
		Order Number	250 001	250 001	250 001	250 001	250 001
		Packaging unit	2	2	2	2	2

KLEA 1-2-3 Series Energy Analyzer

KLEA 370P-D	KLEA 220P	KLEA 110P	KLEA-370P-VSM	KLEA-320P-DC	KLEA-220P-DC	KLEA 220P-B
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	-
NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	-
5 A	10 A AC / 5 A DC	10 A AC / 5 A DC	5 A	5 A	10 A AC / 5 A DC	-
250 V AC	250 V AC / 30 V DC	250 V AC / 30 V DC	250 V AC	250 V AC	250 V AC / 30 V DC	-
1250 VA	1250 VA / 150 W	1250 VA / 150 W	1250 VA	1250 VA	1250 VA / 150 W	-
2 pcs.	2 pcs.	1 pc.	7 pcs.	2 pcs.	2 pcs.	-
100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms	-
Dry Contact	Dry Contact	Dry Contact	Dry Contact	Dry Contact	Dry Contact	-
5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms	5000 Vrms	-
2 pcs.	2 pcs.	2 pcs.	7 pcs.	2 pcs.	2 pcs.	-
Transistor	Transistor	Transistor	Transistor	Transistor	Transistor	-
5-30 VDC	5-30 VDC	5-30 VDC	5-30 VDC	5-30 VDC	5-30 VDC	-
20 Hz, 50 ms	20 Hz, 50 ms	20 Hz, 50 ms	5000 Vrms	5000 Vrms	5000 Vrms	-
5000 Vrms	5000 Vrms	5000 Vrms	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
85-300V	85-300V	85-300V	85-300V	-	-	85-300V
85-300V	85-300V	85-300V	85-300V	18-60VDC	18-60VDC	85-300V
< 3VA	<4.5VA	<6VA	< 3VA	-	-	<4.5VA
<2.5W	<2W	<3W	<2.5W	<2.5W	<2.2W	<2W
45-65Hz	45-65Hz	45-65Hz	45-65Hz	-	-	45-65Hz
1920 hours x 68 different paramaters	-	-	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	-	-
240 days x 68 different paramaters	-	-	240 days x 68 different paramaters	240 days x 68 different paramaters	-	-
36 months x 68 different parameters	-	-	36 months x 68 different parameters	36 months x 68 different parameters	-	-
4 months x 16 different parameters	-	-	4 months x 16 different parameters	4 months x 16 different parameters	-	-
50	-	-	50	50	-	-
Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU
2400-115200 bps adjustable	1200-57600 bps adjustable	1200-57600 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable	1200-57600 bps adjustable	1200-57600 bps adjustable
None	Odd, Even, None	Odd, Even, None	Odd,Even,None	Odd,Even,None	Odd,Even,None	Odd, Even, None
1	1	1	1	1	1	1
1-247	1-247	1-247	1-247	1-247	1-247	1-247
2750V RMS	2750V RMS	2750V RMS	2750V RMS	2750V RMS	2750V RMS	2750V RMS
428	378	323	428	428	378	378
Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG	2,5 mm² - 14AWG
4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG
1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG
-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30°C +80°C	-30°C +80°C	-30°C +80°C	-30 to +80 °C
Max.95%	Max.95%	Max.95%	Maks. 95%	Maks. 95%	Maks. 95%	Max.95%
IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)
SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER
250 001	250 001	250 001	250 001	250 001	250 001	250 001
2	2	2	2	2	2	2

Electronic Products

ECRAS 1-2 Multimeter Series







Type			ECRAS 100	ECRAS 120	ECRAS 200	ECRAS 220	ECRAS 100 VCF
Defniton			3Ø Multimeter	3Ø Multimeter	3Ø Multimeter	3Ø Multimeter	3Ø Multimeter
Order Number			606210	606211	606212	606213	606218
General	Seven Segment Display		Available	Available	Available	Available	Available
	LCD		-	-	-	-	-
	Language Support		-	-	-	-	-
	Battery		-	-	-	-	-
	Real Time Clock		-	-	-	-	-
	Password Protection		Available	Available	Available	Available	Available
	Current Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1 - 5.000
	Voltage Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1 - 5.000
	Demand Period		1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	-
	Connection Type		3P4W, 3P3W	3P4W, 3P3W	3P4W, 3P3W	3P4W, 3P3W	3P4W, 3P3W
	Measurement in Quadrants		4	4	4	4	-
	Number of Measurement in a period		256	256	256	256	256
	LCD/Display Refresh Period		1 sec	1 sec	1 sec	1 sec	1 sec.
	Networks		TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
	Phasor Diagram		-	-	-	-	-
	Signal Waveforms		-	-	-	-	-
	Min/Max/Demand Values		Available	Available	Available	Available	-
Energy Measurement	Number of Tariffs		1	1	1	1	-
	Multi Sub-Tariffs(Peak, Day and Off-Peak)		-	-	-	-	-
	1Ø Phase Energy Meters		Available	Available	Available	Available	-
	3Ø Phase Energy Meters		Available	Available	Available	Available	Available
	4-Quadrant Reactive Energy Meters		-	-	-	-	-
Current Measurement Input	Measurement Range		10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
	Overvoltage Category		300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
	Measurement Surge Voltage		2 kV	2 kV	2 kV	2 kV	2 kV
	Power Consumption		<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
	intermittent overload		100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
	Sampling Freq.between 45-65 Hz		12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Voltage Measurement Input	Overvoltage Category		300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
	Measured Range L-N		1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms
	Measured Range L-L		2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms
	Measured Frequency Range		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Power Consumption		<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
	Sampling Freq.between 45-65 Hz		12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Power Quality Measurements	Harmonics for current and voltage phases		Upto 31st	Upto 31st	Upto 31st	Upto 31st	-
	THD-Voltage in %		Available	Available	Available	Available	-
	THD-Current in %		Available	Available	Available	Available	-
Other Measurements	Run Hour (Operating time for load in hours)		Available	Available	Available	Available	-
	On Hour (Operating time for meter in hours)		Available	Available	Available	Available	-
	Int Counter (Number of power interruptions)		Available	Available	Available	Available	-
Measurement Accuracy	According to IEC 61557-12	Total Active Power	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Power	Class 1	Class 1	Class 1	Class 1	Class 1
		Total Apparent Power	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Active Energy	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2
		Frequency	Class 0.1	Class 0.1	Class 0.1	Class 0.1	Class 0.1
		Current	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Neutral Current (calculated)	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Voltage	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Power factor	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		THDV, THDI	Class 1	Class 1	Class 1	Class 1	Class 1
	According to IEC 62053-22	Total Active Energy	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S
	Accoding to IEC 62053-23	Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2
Inputs and Outputs	Alarm Relay Outputs	Number of outputs	-	2 pcs.	-	2 pcs.	-
		Type		NO (SPST)		NO (SPST)	-
		Max. Switching Current	-	10 A AC / 5 A DC	-	10 A AC / 5 A DC	-
		Max. Switching Voltage	-	250 V AC / 30 V DC	-	250 V AC / 30 V DC	-
		Max. Switching Power	-	1250 VA / 150 W	-	1250 VA / 150 W	-

Electronic Products

ECRAS 1-2 Multimeter Series



Type			ECRAS 100	ECRAS 120	ECRAS 200	ECRAS 220	ECRAS 100 VCF
Inputs and Outputs	Digital Inputs	Number of inputs	-	-	-	-	-
		Minimum Counting Frequency	-	-	-	-	-
		Input Present or Not	-	-	-	-	-
		Isolation Level	-	-	-	-	-
	Digital Outputs	Number of outputs	-	-	-	-	-
		Type	-	-	-	-	-
		Switching Voltage Range	-	-	-	-	-
		Minimum Switching Frequency	-	-	-	-	-
		Isolation Level	-	-	-	-	-
	Analog Outputs	Number of outputs	-	-	-	-	-
		Range of Outputs 0-5 V, 0-10 V, -5-5 V, -10-10V, 0-20 mA, 4-20 mA	-	-	-	-	-
		Isolation	-	-	-	-	85-300V
Supply	Voltage	AC	85-300V	85-300V	85-300V	85-300V	85-300V
		DC	85-300V	85-300V	85-300V	85-300V	85-300V
	Consumption	AC	<6VA	<6VA	<6VA	<6VA	<6VA
		DC	<3W	<3W	<3W	<3W	<3W
	Frequency		45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
Data Logging with timestamp	Min/max/avg Values	Hourly records	-	-	-	-	-
		Daily records	-	-	-	-	-
		Monthly records	-	-	-	-	-
	Demand		-	-	-	-	-
	Alarm records		-	-	-	-	-
Communication	Protocol		-	-	Modbus RTU	Modbus RTU	-
	Baud rate		-	-	1200-57600 bps adjustable	1200-57600 bps adjustable	-
	Parity number		-	-	Odd, Even, None	Odd, Even, None	-
	Stop bit		-	-	1	1	-
	Address		-	-	1-247	1-247	-
	Isolation		-	-	2750V RMS	2750V RMS	-
Mechanical Properties	Weight(g)		272	290	296	316	221
	Protection Class		Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
	Assembly Type		Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Cable Cross Sections	Supply, Voltage, Current, Relay Outputs	Stranded:	2,5 mm^2 - 14AWG	2,5 mm^2 - 14AWG	2,5 mm^2 - 14AWG	2,5 mm^2 - 14AWG	2.5mm^2 - 14AWG
		Solid:	4mm^2-12 AWG, 2x1.5 mm^2-2x16 AWG	4mm^2-12 AWG, 2x1.5 mm^2-2x16 AWG	4mm^2-12 AWG, 2x1.5 mm^2-2x16 AWG	4mm^2-12 AWG, 2x1.5 mm^2-2x16 AWG	4mm^2 - 12AWG, 2x1.5mm^2 - 2x16AWG
	Digital I/O, RS 485, Analog Output	Stranded:	-	-	1,5 mm^2-16AWG	1,5 mm^2-16AWG	-
		Solid:	-	-	1.5 mm^2-16 AWG, 2x0.75 mm^2-2x18 AWG	1.5 mm^2-16 AWG, 2x0.75 mm^2-2x18 AWG	-
Ambient Conditions	Operating Temperature		-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
	Storage Temperature		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30°C +80°C
	Relative Humidity (no condensation)		Max.95%	Max.95%	Max.95%	Max.95%	Maks. 95%
Accessories		Type	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)
		Definition	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER
		Order Number	250 001	250 001	250 001	250 001	250 001
		Packaging unit	2	2	2	2	2

Electronic Products

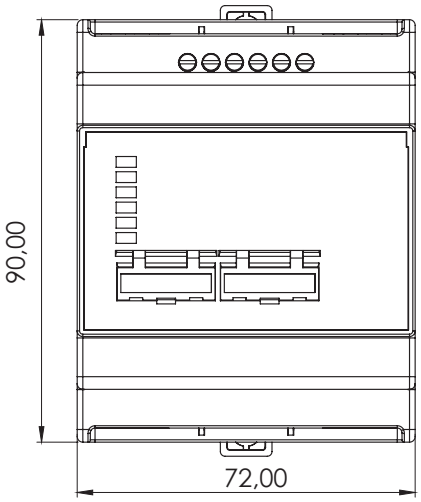
POWYS 4-5-6 Series Energy Analyzers

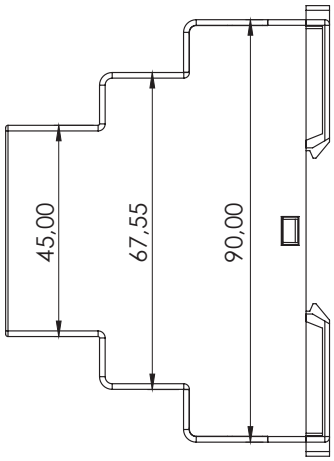


The POWYS series power analyzers, designed in new enclosures with widths of 72mm and 126mm, are devices intended for analyzing three-phase electrical systems. Offering users options of screenless, 7-segment, and LCDs, the POWYS series provides a competitive solution through its screenless models and free user interface software. Equipped with an RS485 (Modbus RTU) interface, the devices provide data for remote monitoring projects. Communication settings can be easily configured via the dip switches located on the top cover.

With optional digital outputs, pulse signals can be generated based on the measured energy values. The digital inputs can be used as pulse counters or tariff activations. Through alarm relay outputs, alarm management can be established without the need for additional devices.

- Screenless, 7 segment, and LCD options
- Options for enclosure widths of 72 mm and 126 mm
- Support for x/1 and x/5 Current Transformer
- High Measurement Accuracy
- RS485 (Modbus RTU) Option
- 2 SPST Relay Output Options
- 2 Digital Input/Output Options
- Free user interface software





Electronic Products

POWYS 4-5-6 Series Energy Analyzers

Product Name	Order No	V, C, F	P, Q, S, PF	Min / Max Data Logging	4Q. Energy Measur.	4Q Reactive Energy Monit.	THD	Individual Harmonics (up to 31st)	Demand	On Hour, Run Hour, Power Interruption Counters	Alarm Setting	Screenless	7 Segment	LCD Screen	RO (2 pcs)	DO (2 pcs)	DI (2 pcs)	Tariff	RS485 (Modbus RTU)	85-300 V DC/DC	X/1 & X/5	Rail Mount
POWYS 400R	606600	√	√	√	√	√	√	√	√	√	√	√						2	√	√	√	√
POWYS 405R	606601	√	√	√	√	√	√	√	√	√	√	√				√	√	2	√	√	√	√
POWYS 506RD	606602	√	√	√	√	√			√	√	√	√			√	√	√	2	√	√	√	√
POWYS 506RS	606603	√	√	√	√	√			√	√	√		√		√	√	√	2	√	√	√	√
POWYS 606R	606604	√	√	√	√	√	√	√	√	√	√			√	√	√	√	3	√	√	√	√

Electronic Products

POWYS 1-3 Series Energy Analyzers



Type			DNPT	DNPT-B	POWYS 3121	POWYS 3111	POWYS 3101
Definiton			3Ø Power Transducer	3Ø Power Transducer	3Ø Energy Analyzer	3Ø Energy Analyzer	3Ø Energy Analyzer
Order Number			606400	606 401	606305	606304	606303
General	Seven Segment Display		-	-	-	Available	-
	LCD		-	-	Available	-	-
	Language Support		-	-	-	-	-
	Battery		Available	Available	-	-	-
	Real Time Clock		Available	Available	-	-	-
	Password Protection		-	-	Available	Available	Available
	Current Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1-5000
	Voltage Transformer Ratio		1-5000	1-5000	1-5000	1-5000	1-5000
	Demand Period		1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable
	Measurement in Quadrants		4	4	4	4	4
	Number of Measurement in a period		512	512	256	256	256
	LCD/Display Refresh Period		-	-	1 sec	1 sec	-
	Network		TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
	Wiring		3P4W, 3P3W, Aron	3P4W, 3P3W, Aron	3P4W, 3P3W	3P4W, 3P3W	3P4W, 3P3W
	Phasor Diagram		-	-	-	-	-
	Signal Waveforms		-	-	-	-	-
	Min/Max/Demand Values		Available	Available	Available	Available	Available
Energy Measurement	Number of Tariffs		2	2	2	2	2
	Multi Sub-Tariffs(Peak, Day and Off-Peak)		Available	Available	-	-	-
	1Ø Phase Energy Meters		-	-	Available	Available	Available
	3Ø Phase Energy Meters		Available	Available	Available	Available	Available
	4 Quadrant Reactive Energy Meters		-	-	-	-	-
Current Measurement Input	Measurement Range		10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
	Overvoltage Category		300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
	Measurement Surge Voltage		2 kV	2 kV	2 kV	2 kV	2 kV
	Power Consumption		<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
	intermittent overload		100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
	Sampling Freq.between 45-65 Hz		25.6 kHz	25.6 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Voltage Measurement Input	Overvoltage Category		300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
	Measured Range L-N		1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms	1-300 Vrms
	Measured Range L-L		2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms	2-500 Vrms
	Measured Frequency Range		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Power Consumption		<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
	Sampling Freq.between 45-65 Hz		25.6 kHz	25.6 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Power Quality Measurements	Harmonics for current and voltage phases		Upto 51st	Upto 51st	Upto 31st	Upto 31st	Upto 31st
	THD-Voltage in %		Available	Available	Available	Available	Available
	THD-Current in %		Available	Available	Available	Available	Available
Other Measurements	Run Hour (Operating time for load in hours)		-	-	Available	Available	Available
	On Hour (Operating time for meter in hours)		-	-	Available	Available	Available
	Int Counter (Number of power interruptions)		-	-	Available	Available	Available
Measurement Accuracy	According to IEC 61557-12	Total Active Power	Class 0.2	Class 0.2	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Power	Class 1	Class 1	Class 1	Class 1	Class 1
		Total Apparent Power	Class 0.2	Class 0.2	Class 0.5	Class 0.5	Class 0.5
		Total Active Energy	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2
		Frequency	Class 0.05	Class 0.05	Class 0.1	Class 0.1	Class 0.1
		Current	Class 0.2	Class 0.2	Class 0.5	Class 0.5	Class 0.5
		Neutral Current	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Voltage	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Power factor	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		THDV, THDI	Class 1	Class 1	Class 1	Class 1	Class 1
	According to IEC 62053-22	Total Active Energy	Class 0.2S	Class 0.2S	Class 0.5S	Class 0.5S	Class 0.5S
	Accoding to IEC 62053-23	Total Reactive Energy	Class 2	Class 2	Class 2	Class 2	Class 2

Electronic Products

POWYS 1-3 Series Energy Analyzers







POWYS 3100	POWYS 1110	POWYS 1120	POWYS 1012	POWYS 1022
3Ø Energy Analyzer	1Ø Energy Analyzer	1Ø Energy Analyzer	1Ø Energy Analyzer	1Ø Energy Analyzer
606300	606351	606352	606354	606355
-	Available	-	Available	-
-	-	Available	-	Available
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Available	Available	Available	Available	Available
1-5000	1-5000	1-5000	1-5000	1-5000
1-5000	1-5000	1-5000	1-5000	1-5000
1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable
4	4	4	4	4
256	256	256	256	256
-	1 sec	1 sec	1 sec	1 sec
TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
3P4W, 3P3W	Single-phase with neutral and 1 CT	Single-phase with neutral and 1 CT	Single-phase with neutral and 1 CT	Single-phase with neutral and 1 CT
-	-	-	-	-
-	-	-	-	-
Available	Available	Available	Available	Available
1	1	1	1	1
-	-	-	-	-
Available	Available	Available	Available	Available
Available	-	-	-	-
-	-	-	-	-
10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
2 kV	2 kV	2 kV	2 kV	2 kV
<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
1-300 Vrms	10-500 Vrms	10-500 Vrms	10-500 Vrms	10-500 Vrms
2-500 Vrms	-	-	-	-
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Upto 31st	Upto 31st	Upto 31st	Upto 31st	Upto 31st
Available	Available	Available	Available	Available
Available	Available	Available	Available	Available
Available	Available	Available	Available	Available
Available	Available	Available	Available	Available
Available	Available	Available	Available	Available
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 2	Class 2	Class 2	Class 2	Class 2
Class 0.1	Class 0.1	Class 0.1	Class 0.1	Class 0.1
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S
Class 2	Class 2	Class 2	Class 2	Class 2

POWYS 1-3 Series Energy Analyzers

Type			DNPT	DNPT-B	POWYS 3121	POWYS 3111	POWYS 3101
Inputs and Outputs	Alarm Relay Outputs	Number of outputs	2 pcs.	-	2 pcs.	2 pcs.	2 pcs.
		Type	NO (SPST)	-	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	5 A	-	10 A AC / 5 A DC	10 A AC / 5 A DC	10 A AC / 5 A DC
		Max. Switching Voltage	250 V AC	-	250 V AC / 30 V DC	250 V AC / 30 V DC	250 V AC / 30 V DC
		Max. Switching Power	1250 VA	-	1250 VA / 150 W	1250 VA / 150 W	1250 VA / 150 W
	Digital Inputs	Number of inputs	2 pcs.	-	2 pcs.	2 pcs.	2 pcs.
		Minimum Counting Frequency	100 Hz, 10 ms	-	100 Hz, 10 ms	100 Hz, 10 ms	100 Hz, 10 ms
		Input Present or Not	Dry Contact	-	Dry Contact	Dry Contact	Dry Contact
		Isolation Level	5000 Vrms	-	5000 Vrms	5000 Vrms	5000 Vrms
	Digital Outputs	Number of outputs	2 pcs.	-	2 pcs.	2 pcs.	2 pcs.
		Type	Transistor	-	Transistor	Transistor	Transistor
		Switching Voltage Range	5-30 VDC	-	5-30 VDC	5-30 VDC	5-30 VDC
		Minimum Switching Frequency	20 Hz, 50 ms	-	20 Hz, 50 ms	20 Hz, 50 ms	20 Hz, 50 ms
		Isolation Level	5000 Vrms	-	5000 Vrms	5000 Vrms	5000 Vrms
	Analog Outputs	Number of outputs	4	-	-	-	-
		Range of Outputs 0-5 V, 0-10 V, -5-5 V, -10-10V, 0-20 mA, 4-20 mA	Available	-	-	-	-
		Isolation	isolated		-	-	-
Supply	Voltage	AC	85-300V	85-300V	85-300V	85-300V	85-300V
		DC	85-300V	85-300V	85-300V	85-300V	85-300V
	Consumption	AC	< 3VA	< 3VA	<4.5VA	<6VA	<6VA
		DC	<2.5W	<2.5W	<2W	<3W	<3W
	Frequency		45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
Data Logging with timestamp	Min/max/avg Values	Hourly records	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	-	-	-
		Daily records	240 days x 68 different paramaters	240 days x 68 different paramaters	-	-	-
		Monthly records	36 months x 68 different parameters	36 months x 68 different parameters	-	-	-
	Demand		4 months x 16 different parameters	4 months x 16 different parameters	-	-	-
	Alarm records		50	50	-	-	-
Communication	Protocol		Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU
	Baud rate		2400-115200 bps adjustable	2400-115200 bps adjustable	1200-57600 bps adjustable	1200-57600 bps adjustable	1200-57600 bps adjustable
	Parity number		None	None	Odd, Even, None	Odd, Even, None	Odd, Even, None
	Stop bit		1	1	1	1	1
	Address		1-247	1-247	1-247	1-247	1-247
	Isolation		2750V RMS	2750V RMS	2750V RMS	2750V RMS	2750V RMS
Mechanical Properties	Weight(g)		335	335	340	330	278
	Protection Class		IP20	IP20	IP20	IP20	IP20
	Assembly Type		Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Cable Cross Sections	Supply, Voltage, Current, Relay Outputs	Stranded:	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG
		Solid:	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
	Digital I/O, RS 485, Analog Output	Stranded:	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG
		Solid:	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG
Ambient Conditions	Operating Temperature		-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
	Storage Temperature		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
	Relative Humidity (no condensation)		Max.95%	Max.95%	Max.95%	Max.95%	Max.95%

POWYS 3100	POWYS 1110	POWYS 1120	POWYS 1012	POWYS 1022
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	2 pcs.	2 pcs.
-	-	-	Transistor	Transistor
-	-	-	5-30 VDC	5-30 VDC
-	-	-	20 Hz, 50 ms	20 Hz, 50 ms
-	-	-	5000 Vrms	5000 Vrms
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
85-300V	85-300V	85-300V	85-300V	85-300V
85-300V	85-300V	85-300V	85-300V	85-300V
<6VA	<4VA	<4VA	<4VA	<4VA
<3W				
45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
Modbus RTU	Modbus RTU	Modbus RTU	-	-
1200-57600 bps adjustable	1200-57600 bps adjustable	1200-57600 bps adjustable	-	-
Odd, Even, None	Odd, Even, None	Odd, Even, None	-	-
1	1	1	-	-
1-247	1-247	1-247	-	-
2750V RMS	2750V RMS	2750V RMS	-	-
259	135	135	135	135
IP20	IP20	IP20	IP20	IP20
Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG
4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
1,5 mm²-16AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG
1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
Max.95%	Max.95%	Max.95%	Max.95%	Max.95%

Electronic Products

RAPIDUS Series Power Factor Controllers






Type			RAPIDUS 231R-E	RAPIDUS 211R	RAPIDUS 232R-E	RAPIDUS 212R
Definiton			Power Factor Controller (3Ø-12steps)	Power Factor Controller (1Ø-12steps)	Power Factor Controller (3Ø-24steps)	Power Factor Controller (1Ø-24steps)
Order Number			606005	606011	606007	606014
General	Measuring system		3Ø	1Ø	3Ø	1Ø
	LCD Sreen		Available	Available	Available	Available
	Language Support		Turkish, English, Russian	Turkish, English, Russian	Turkish, English, Russian	Turkish, English, Russian
	Battery		Available	Available	Available	Available
	Real Time Clock		Available	Available	Available	Available
	Password Protection		Available	Available	Available	Available
	Current Transformer Ratio		1-5000	1-5000	1-5000	1-5000
	Voltage Transformer Ratio		1-5000	1-5000	1-5000	1-5000
	Demand Period		1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable	1-60 minutes adjustable
	Connection Type		3P4W	Single phase(L-L or L-N) voltage connection with 1 CT	3P4W	Single phase(L-L or L-N) voltage connection with 1 CT
	Measurement in Quadrants		4	4	4	4
	Number of Measurement in a period		512	512	512	512
	LCD/Display Refresh Period		1 sec	1 sec	1 sec	1 sec
	Networks		TT, TN, IT	TT, TN, IT	TT, TN, IT	TT, TN, IT
	Phasor Diagram		Available	Available	Available	Available
	Signal Waveforms		-	-	-	-
	Min/Max/Demand Values		Available	Available	Available	Available
Control Operations and Functions	Compensation Modes	Rapidus (Intelligent control mode)	Available	Available	Available	Available
		Sequential	Available	Available	Available	Available
		Linear	Available	Available	Available	Available
		Circular	Available	Available	Available	Available
		Manual	Available	Available	Available	Available
	Step Conf igurations	Manually Assign	Available	Available	Available	Available
		Predef ined	1-1-1-1, 1-1-2-2, 1-2-2-4, 1-2-3-3, 1-2-4-4, 1-1-2-4, 1-2-3-4, 1-2-4-8, 1-1-2-3	1-1-1-1, 1-1-2-2, 1-2-2-4, 1-2-3-3, 1-2-4-4, 1-1-2-4, 1-2-3-4, 1-2-4-8, 1-1-2-3	1-1-1-1, 1-1-2-2, 1-2-2-4, 1-2-3-3, 1-2-4-4, 1-1-2-4, 1-2-3-4, 1-2-4-8, 1-1-2-3	1-1-1-1, 1-1-2-2, 1-2-2-4, 1-2-3-3, 1-2-4-4, 1-1-2-4, 1-2-3-4, 1-2-4-8, 1-1-2-3
		DCM	Available	Available	-	-
		Fixed Step Assigment	Available	Available	Available	Available
		Power(kVAr)	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable
		Type	3Ø capacitor,3Ø shunt reactor,1Ø capacitor or 1Ø shunt reactor adjustable	3Ø capacitor, 3Ø shunt reactor adjustable	3Ø capacitor,3Ø shunt reactor,1Ø capacitor or 1Ø shunt reactor adjustable	3Ø capacitor, 3Ø shunt reactor adjustable
	Power factor settings	Target 1 cosØ	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable
		Target 2 cosØ	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. adjustable
	Learning Step Powers and Connections		Available	Available	Available	Available
	Dual cosØ target		Available	Available	Available	Available
	4 Quadrant operation for generators		Available	Available	Available	Available
	Time delays	Step activation time	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
		Step deactivation time	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
		Step discharge time	3-1000 sec adjustable	3-1000 sec adjustable	3-1000 sec adjustable	3-1000 sec adjustable
	Phase shift angle		±45 degree adjustable	±45 degree adjustable	±45 degree adjustable	±45 degree a adjustable
	Averaging time		Off, 5sec, 10sec, 20sec, 30sec, 40sec, 50sec, 60sec adjustable	Off, 5sec, 10sec, 20sec, 30sec, 40sec, 50sec, 60sec adjustable	Off, 5sec, 10sec, 20sec, 30sec, 40sec, 50sec, 60sec adjustable	Off, 5sec, 10sec, 20sec, 30sec, 40sec, 50sec, 60sec adjustable
Energy Meters	Number of Tariffs		1	1	1	1
	Multi Sub-Tariffs(Peak, Day and Off-Peak)		-	-	-	-
	1Ø Phase Energy Meter		-	-	-	-
	3Ø Phase Energy Meters		Available	Available	Available	Available
	4 Quadrant Reactive Energy Meters		-	-	-	-

Electronic Products

RAPIDUS Series Power Factor Controllers













RAPIDUS 218R	RAPIDUS 114	RAPIDUS 114R	RAPIDUS 116	RAPIDUS 116R	RAPIDUS 118
Power Factor Controller (1Ø-8steps)	Power Factor Controller (1Ø-4steps)	Power Factor Controller (1Ø-4steps)	Power Factor Controller (1Ø-6steps)	Power Factor Controller (1Ø-6steps)	Power Factor Controller (1Ø-8steps)
606021	606060	606061	606062	606063	606064
1Ø	1Ø	1Ø	1Ø	1Ø	1Ø
Available	Custom LCD	Custom LCD	Custom LCD	Custom LCD	Custom LCD
Turkish, English, Russian	Turkish, English	Turkish, English	Turkish, English	Turkish, English	Turkish, English
Available	-	-	-	-	-
Available	-	-	-	-	-
Available	Available	Available	Available	Available	Available
1-5000	1 - 5.000	1 - 5.000	1 - 5.000	1 - 5.000	1 - 5.000
1-5000	1 - 999.9	1 - 999.9	1 - 999.9	1 - 999.9	1 - 999.9
1-60 minutes adjustable	-	-	-	-	-
Single phase(L-L or L-N) voltage connection with 1 CT	L-L/L-N	L-L/L-N	L-L/L-N	L-L/L-N	L-L/L-N
4	-	-	-	-	-
512	512	512	512	512	512
1 sec	<0.5 sec.	<0.5 sec.	<0.5 sec.	<0.5 sec.	<0.5 sec.
TT, TN, IT	TT, TN	TT, TN	TT, TN	TT, TN	TT, TN
Available	-	-	-	-	-
-	-	-	-	-	-
Available	-	-	-	-	-
Available	Available	Available	Available	Available	Available
Available	-	-	-	-	-
Available	-	-	-	-	-
Available	-	-	-	-	-
Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available
1-1-1-1, 1-1-2-2, 1-2-2-4, 1-2-3-3, 1-2-4-4, 1-1-2-4, 1-2-3-4, 1-2-4-8, 1-1-2-3	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4
Available	-	-	-	-	-
Available	-	-	-	-	-
0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable
3Ø capacitor, 3Ø shunt reactor adjustable	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor
0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
0.8cap. to 0.8ind. adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
Available	-	-	-	-	-
Available	Available	Available	Available	Available	Available
Available	-	-	-	-	-
1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
3-1000 sec adjustable	3-600 sec adjustable	3-600 sec adjustable	3-600 sec adjustable	3-600 sec adjustable	3-600 sec adjustable
±45 degree adjustable	-	-	-	-	-
Off, 5sec, 10sec, 20sec, 30sec, 40sec, 50sec, 60sec adjustable	-	-	-	-	-
1	1	1	1	1	1
-	-	-	-	-	-
-	Available	Available	Available	Available	Available
Available	-	-	-	-	-
-	-	-	-	-	-

RAPIDUS Series Power Factor Controllers

Type			RAPIDUS 231R-E	RAPIDUS 211R	RAPIDUS 232R-E	RAPIDUS 212R
Current Measurement Input	Measurement Range		10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
	Overvoltage Category		300 V Cat II	300 V Cat II	300 V Cat II	300 V Cat II
	Measurement Surge Voltage		2 kV	2 kV	2 kV	2 kV
	Power Consumption		<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
	intermittent overload		100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
	Sampling Freq.between 45-65 Hz		25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz
Voltage Measurement Input	Overvoltage Category		300 V Cat III	300 V Cat III	300 V Cat III	300 V Cat III
	Measured Range L-N		95-272 VAC ±10%	95-410VAC ±10%	95-272 VAC ±10%	95-410VAC ±10%
	Measured Range L-L		164-471 VAC ±10%	95-410VAC ±10%	164-471 VAC ±10%	95-410VAC ±10%
	Measured Frequency Range		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Power Consumption		<0.1 VA	<0.1 VA	<0.1 VA	<0.1 VA
	Sampling Freq.between 45-65 Hz		25,6 kHz	25,6 kHz	25,6 kHz	25,6 kHz
Power Quality Measurements	Harmonics / current and voltage		Upto 51st	Upto 51st	Upto 51st	Upto 51st
	THD-Voltage in %		Available	Available	Available	Available
	THD-Current in %		Available	Available	Available	Available
Measurement Accuracy	According to IEC 61557-12	Total Active Power	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Total Reactive Power	Class 1	Class 1	Class 1	Class 1
		Total Apparent Power	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Total Active Energy	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Energy	Class 2	Class 2	Class 2	Class 2
		Frequency	Class 0.05	Class 0.05	Class 0.05	Class 0.05
		Current	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Neutral Current	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		Voltage	Class 0.2	Class 0.2	Class 0.2	Class 0.2
		Power factor	Class 0.5	Class 0.5	Class 0.5	Class 0.5
		THDV, THDI	Class 1	Class 1	Class 1	Class 1
	According to IEC 62053-22	Total Active Energy	Class 0.2S	Class 0.2S	Class 0.2S	Class 0.2S
	Accoding to IEC 62053-23	Total Reactive Energy	Class 2	Class 2	Class 2	Class 2
Input and Outputs	Compensation Relay Outputs	Number of outputs	12 pcs.	12 pcs.	24 pcs.	24 pcs.
		Type	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	2 A	2 A	2 A	2 A
		Max. Switching Voltage	250 VAC	250 VAC	250 VAC	250 VAC
		Max. Switching Power	500 VA	500 VA	500 VA	500 VA
		Mechanical life time	≥ 10^7 operations	≥ 10^7 operations	≥ 10^7 operations	≥ 10^7 operations
		Electrical life time operations (for NO side)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
	Alarm Relay Outputs	Number of outputs	2 pcs.	2 pcs.	2 pcs.	2 pcs.
		Type	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	4 A	4 A	4 A	4 A
		Max. Switching Voltage	250 VAC	250 VAC	250 VAC	250 VAC
		Max. Switching Power	1000 VA	1000 VA	1000 VA	1000 VA
		Mechanical life time	≥ 10^7 operations	≥ 10^7 operations	≥ 10^7 operations	≥ 10^7 operations
		Electrical life time operations (for NO side)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
	Generator/ Day-Night Input	Number of inputs	1 pc.	1 pc.	1 pc.	1 pc.
		Frequency	45-65Hz	45-65Hz	45-65Hz	45-65Hz
		Input Present or Not	95-240VAC	95-240VAC	95-240VAC	95-240VAC
	Digital Outputs		-	-	-	-
	Analog Outputs		-	-	-	-

RAPIDUS Series Power Factor Controllers

RAPIDUS 218R	RAPIDUS 114	RAPIDUS 114R	RAPIDUS 116	RAPIDUS 116R	RAPIDUS 118
10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC	10mA-6A AC
300 V Cat II	510V CAT II	510V CAT II	510V CAT II	510V CAT II	510V CAT II
2 kV	2 kV	2 kV	2 kV	2 kV	2 kV
<0.2 VA	<0.3 VA	<0.3 VA	<0.3 VA	<0.3 VA	<0.3 VA
100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec	100A for 1 sec
25,6 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
300 V Cat III	510V CAT III	510V CAT III	510V CAT III	510V CAT III	510V CAT III
95-410VAC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%
95-410VAC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%
45-65 Hz	45...65 Hz	45...65 Hz	45...65 Hz	45...65 Hz	45...65 Hz
<0.1 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA	<0.2 VA
25,6 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz	12,8 kHz
Upto 51st	-	-	-	-	-
Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available
Class 0.2	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.2	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Class 0.05	Class 0.1	Class 0.1	Class 0.1	Class 0.1	Class 0.1
Class 0.2	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2	Class 0.2
Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5	Class 0.5
Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Class 0.2S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S	Class 0.5S
Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
8+2(If alarm relay outputs are used for compensation) pcs.	4	4	6	6	8
NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)
2 A	2A	2A	2A	2A	2A
250 VAC	250VAC	250VAC	250VAC	250VAC	250VAC
500 VA	500 VA	500 VA	500 VA	500 VA	500 VA
≥ 10^7 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations
5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
2 pcs.	2	2	2	2	2
NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)	NO (SPST)
4 A	4A	4A	4A	4A	4A
250 VAC	250 VAC	250 VAC	250 VAC	250 VAC	250 VAC
1000 VA	1000 VA	1000 VA	1000 VA	1000 VA	1000 VA
≥ 10^7 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations
5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
1 pc.	1	1	1	1	1
45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
95-240VAC	95-240VAC	95-240VAC	95-240VAC	95-240VAC	95-240VAC
-	-	-	-	-	-
-	-	-	-	-	-

RAPIDUS Series Power Factor Controllers

Type			RAPIDUS 231R-E	RAPIDUS 211R	RAPIDUS 232R-E	RAPIDUS 212R
Supply	Auxilary supply input		No	No	No	No
	Voltage		95-272VAC ±10% from L1-N	95-410VAC ±10% from La-Lb	95-272VAC ±10% from L1-N	95-410VAC ±10% from La-Lb
	Frequency		45-65Hz	45-65Hz	45-65Hz	45-65Hz
	Consumption	AC	< 10VA	< 10VA	< 10VA	< 10VA
		DC	-	-	-	-
Data Logging with timestamp	Min/max/avg Values	Hourly records	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters	1920 hours x 68 different paramaters
		Daily records	240 days x 68 different paramaters	240 days x 68 different paramaters	240 days x 68 different paramaters	240 days x 68 different paramaters
		Monthly records	36 hours x 68 different paramaters	36 hours x 68 different paramaters	36 hours x 68 different paramaters	36 hours x 68 different paramaters
	Demand		4 months x 16 different parameters	4 months x 16 different parameters	4 months x 16 different parameters	4 months x 16 different parameters
	Alarm records		50	50	50	50
Communication	Protocol		Modbus RTU	Modbus RTU	Modbus RTU	Modbus RTU
	Baud rate		2400-115200 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable	2400-115200 bps adjustable
	Parity number		None	None	None	None
	Stop bit		1	1	1	1
	Address		1-247 adjustable	1-247 adjustable	1-247	1-247
	Isolation		2000V RMS	2000V RMS	2000V RMS	2000V RMS
Mechanical Properties	Weight(g)		670	663	765	750
	Protection Class		Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
	Assembly Type		Panel Mount	Panel Mount	Panel Mount	Panel Mount
Cable Cross Sections	Voltage, Current, All Relay Outputs, Gen Input	Stranded:	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG	2,5 mm² - 14AWG
		Solid:	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm²-12 AWG, 2x1.5 mm²-2x16 AWG
	RS 485	Stranded:	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG	1,5 mm²-16AWG
		Solid:	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG
Ambient Conditions	Operating Temperature	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C	-20 to +55 °C
	Storage Temperature	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
	Relative Humidity (no condensation)	Max.95%	Max.95%	Max.95%	Max.95%	Max.95%
Accessories		Type	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)
		Definition	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER
		Order Number	250 001	250 001	250 001	250 001
		Packaging unit	2	2	2	2

RAPIDUS Series Power Factor Controllers

RAPIDUS 218R	RAPIDUS 114	RAPIDUS 114R	RAPIDUS 116	RAPIDUS 116R	RAPIDUS 118
No	-	-	-	-	-
95-410VAC ±10% from La-Lb	120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N
45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz	45-65Hz
< 10VA	< 10VA	< 10VA	< 10VA	< 10VA	< 10VA
-	-	-	-	-	-
1920 hours x 68 different paramaters	-	-	-	-	-
240 days x 68 different paramaters	-	-	-	-	-
36 hours x 68 different paramaters	-	-	-	-	-
4 months x 16 different parameters	-	-	-	-	-
50	-	-	-	-	-
Modbus RTU	-	Modbus RTU	-	Modbus RTU	-
2400-115200 bps adjustable	-	1200-38400 bps adjustable	-	1200-38400 bps adjustable	-
None	-	Odd, Even, None	-	Odd, Even, None	-
1	-	1	-	1	-
1-247	-	1-247	-	1-247	-
2000V RMS	-	2000V RMS	-	2000V RMS	-
415	309	314	319	324	329
Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount	Panel Mount
2,5 mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG
4mm²-12 AWG, 2x1.5 mm²-2x16 AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
1,5 mm²-16AWG	-	1.5mm² - 16AWG	-	1.5mm² - 16AWG	-
1.5 mm²-16 AWG, 2x0.75 mm²-2x18 AWG	-	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG	-	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG	-
-20 to +55 °C	-20°C +55°C	-20°C +55°C	-20°C +55°C	-20°C +55°C	-20°C +55°C
-30 to +80 °C	-30°C +80°C	-30°C +80°C	-30°C +80°C	-30°C +80°C	-30°C +80°C
Max.95%	Maks. 95%	Maks. 95%	Maks. 95%	Maks. 95%	Maks. 95%
IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)	IP66 Silicone Cover (96x96mm)
SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER	SILICONE COVER
250 001	250 001	250 001	250 001	250 001	250 001
2	2	2	2	2	2

Electronic Products

RAPIDUS Series Power Factor Controllers







Type			RAPIDUS 118R	RAPIDUS 110	RAPIDUS 110R
Definiton			Power Factor Controller (1Ø-8steps)	Power Factor Controller (1Ø-10steps)	Power Factor Controller (1Ø-10steps)
Order Number			606065	606070	606071
General	Measuring system		1Ø	1Ø	1Ø
	LCD Sreen		Custom LCD	Custom LCD	Custom LCD
	Language Support		Turkish, English	Turkish, English	Turkish, English
	Battery		-	-	-
	Real Time Clock		-	-	-
	Password Protection		Available	Available	Available
	Current Transformer Ratio		1 - 5.000	1 - 5.000	1 - 5.000
	Voltage Transformer Ratio		1 - 999.9	1 - 999.9	1 - 999.9
	Demand Period		-	-	-
	Connection Type		L-L/L-N	L-L/L-N	L-L/L-N
	Measurement in Quadrants		-	-	-
	Number of Measurement in a period		256	256	256
	LCD/Display Refresh Period		<0.5 sec.	<0.5 sec.	<0.5 sec.
	Networks		TT, TN	TT, TN	TT, TN
	Phasor Diagram		-	-	-
	Signal Waveforms		-	-	-
	Min/Max/Demand Values		-	-	-
Control Operations and Functions	Compensation Modes	Rapidus (Intelligent control mode)	Available	Available	Available
		Sequential	-	-	-
		Linear	-	-	-
		Circular	-	-	-
		Manual	Available	Available	Available
	Step Conf igurations	Manually Assign	Available	Available	Available
		Predef ined	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4
		DCM	-	-	-
		Fixed Step Assigment	-	-	-
		Power(kVAr)	0.00-1000 adjustable	0.00-1000 adjustable	0.00-1000 adjustable
		Type	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor
	Power factor settings	Target 1 cosØ	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
		Target 2 cosØ	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
	Learning Step Powers and Connections		-	-	-
	Dual cosØ target		Available	Available	Available
	4 Quadrant operation for generators		-	-	-
	Time delays	Step activation time	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
		Step deactivation time	1-600 sec adjustable	1-600 sec adjustable	1-600 sec adjustable
		Step discharge time	3-600 sec adjustable	3-600 sec adjustable	3-600 sec adjustable
	Phase shift angle		-	-	-
	Averaging time		-	-	-
Energy Meters	Number of Tariffs		1	1	1
	Multi Sub-Tariffs(Peak, Day and Off-Peak)		-	-	-
	1Ø Phase Energy Meter		Available	Available	Available
	3Ø Phase Energy Meters		-	-	-
	4 Quadrant Reactive Energy Meters		-	-	-
Current Measurement Input	Measurement Range		10mA-6A AC	10mA-6A AC	10mA-6A AC
	Overvoltage Category		510V CAT II	510V CAT II	510V CAT II
	Measurement Surge Voltage		2 kV	2 kV	2 kV
	Power Consumption		<0.3 VA	<0.3 VA	<0.3 VA
	intermittent overload		100A for 1 sec	100A for 1 sec	100A for 1 sec
	Sampling Freq.between 45-65 Hz		12,8 kHz	12,8 kHz	12,8 kHz
Voltage Measurement Input	Overvoltage Category		510V CAT III	510V CAT III	510V CAT III
	Measured Range L-N		120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%
	Measured Range L-L		120-510V AC ±10%	120-510V AC ±10%	120-510V AC ±10%
	Measured Frequency Range		45...65 Hz	45...65 Hz	45...65 Hz
	Power Consumption		<0.2 VA	<0.2 VA	<0.2 VA
	Sampling Freq.between 45-65 Hz		12,8 kHz	12,8 kHz	12,8 kHz

Electronic Products

RAPIDUS Series Power Factor Controllers





RAPIDUS 111	RAPIDUS 111R
Power Factor Controller (1Ø-12steps)	Power Factor Controller (1Ø-12steps)
606072	606073
1Ø	1Ø
Custom LCD	Custom LCD
Turkish, English	Turkish, English
-	-
-	-
Available	Available
1 - 5.000	1 - 5.000
1 - 999.9	1 - 999.9
-	-
L-L/L-N	L-L/L-N
-	-
512	512
<0.5 sec.	<0.5 sec.
TT, TN	TT, TN
-	-
-	-
-	-
Available	Available
-	-
-	-
-	-
Available	Available
Available	Available
1-1-1-1, 1-2-2-2, 1-2-4-4	1-1-1-1, 1-2-2-2, 1-2-4-4
-	-
-	-
0.00-1000 adjustable	0.00-1000 adjustable
3Ø capacitor or 1Ø capacitor	3Ø capacitor or 1Ø capacitor
0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
0.8cap. to 0.8ind. Adjustable	0.8cap. to 0.8ind. Adjustable
-	-
Available	Available
-	-
1-600 sec adjustable	1-600 sec adjustable
1-600 sec adjustable	1-600 sec adjustable
3-600 sec adjustable	3-600 sec adjustable
-	-
-	-
1	1
-	-
Available	Available
-	-
-	-
10mA-6A AC	10mA-6A AC
510V CAT II	510V CAT II
2 kV	2 kV
<0.3 VA	<0.3 VA
100A for 1 sec	100A for 1 sec
12,8 kHz	12,8 kHz
510V CAT III	510V CAT III
120-510V AC ±10%	120-510V AC ±10%
120-510V AC ±10%	120-510V AC ±10%
45...65 Hz	45...65 Hz
<0.2 VA	<0.2 VA
12,8 kHz	12,8 kHz

RAPIDUS Series Power Factor Controllers

Type			RAPIDUS 118R	RAPIDUS 110	RAPIDUS 110R
Power Quality Measurements	Harmonics / current and voltage		-	-	-
	THD-Voltage in %		Available	Available	Available
	THD-Current in %		Available	Available	Available
Type			RAPIDUS 118R	RAPIDUS 110	RAPIDUS 110R
Measurement Accuracy	According to IEC 61557-12	Total Active Power	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Power	Class 1	Class 1	Class 1
		Total Apparent Power	Class 0.5	Class 0.5	Class 0.5
		Total Active Energy	Class 0.5	Class 0.5	Class 0.5
		Total Reactive Energy	Class 2	Class 2	Class 2
		Frequency	Class 0.1	Class 0.1	Class 0.1
		Current	Class 0.5	Class 0.5	Class 0.5
		Neutral Current	Class 0.5	Class 0.5	Class 0.5
		Voltage	Class 0.2	Class 0.2	Class 0.2
		Power factor	Class 0.5	Class 0.5	Class 0.5
		THDV, THDI	Class 1	Class 1	Class 1
	According to IEC 62053-22	Total Active Energy	Class 0.5S	Class 0.5S	Class 0.5S
	Accoding to IEC 62053-23	Total Reactive Energy	Class 2	Class 2	Class 2
Input and Outputs	Compensation Relay Outputs	Number of outputs	8	10	10
		Type	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	2A	2A	2A
		Max. Switching Voltage	250VAC	250VAC	250VAC
		Max. Switching Power	500 VA	500 VA	500 VA
		Mechanical life time	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations
		Electrical life time operations (for NO side)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
	Alarm Relay Outputs	Number of outputs	2	2	2
		Type	NO (SPST)	NO (SPST)	NO (SPST)
		Max. Switching Current	4A	4A	4A
		Max. Switching Voltage	250 VAC	250 VAC	250 VAC
		Max. Switching Power	1000 VA	1000 VA	1000 VA
		Mechanical life time	≥ 10.0000000 operations	≥ 10.0000000 operations	≥ 10.0000000 operations
		Electrical life time operations (for NO side)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
	Generator/ Day-Night Input	Number of inputs	1	1	1
		Frequency	45-65Hz	45-65Hz	45-65Hz
		Input Present or Not	95-240VAC	95-240VAC	95-240VAC
	Digital Outputs		-	-	-
	Analog Outputs		-	-	-
Supply	Auxilary supply input		-	-	-
	Voltage		120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N
	Frequency		45-65Hz	45-65Hz	45-65Hz
	Consumption	AC	< 10VA	< 10VA	< 10VA
		DC	-	-	-
Data Logging with timestamp	Min/max/avg Values	Hourly records	-	-	-
		Daily records	-	-	-
		Monthly records	-	-	-
	Demand		-	-	-
	Alarm records		-	-	-
Communication	Protocol		Modbus RTU	-	Modbus RTU
	Baud rate		1200-38400 bps adjustable	-	1200-38400 bps adjustable
	Parity number		Odd, Even, None	-	Odd, Even, None
	Stop bit		1	-	1
	Address		1-247	-	1-247
	Isolation		2000V RMS	-	2000V RMS
Mechanical Properties	Weight(g)		334	365	369
	Protection Class		Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
	Assembly Type		Panel Mount	Panel Mount	Panel Mount
Cable Cross Sections	Voltage, Current, All Relay Outputs, Gen Input	Stranded:	2.5mm² - 14AWG	2.5mm² - 14AWG	2.5mm² - 14AWG
		Solid:	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
	RS 485	Stranded:	1.5mm² - 16AWG	-	1.5mm² - 16AWG
		Solid:	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG	-	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG
Ambient Conditions	Operating Temperature	-20 to +55 °C	-20°C +55°C	-20°C +55°C	-20°C +55°C
	Storage Temperature	-30 to +80 °C	-30°C +80°C	-30°C +80°C	-30°C +80°C
	Relative Humidity (no condensation)	Max.95%	Maks. 95%	Maks. 95%	Maks. 95%

RAPIDUS 111	RAPIDUS 111R
-	-
Available	Available
Available	Available
RAPIDUS 111	RAPIDUS 111R
Class 0.5	Class 0.5
Class 1	Class 1
Class 0.5	Class 0.5
Class 0.5	Class 0.5
Class 2	Class 2
Class 0.1	Class 0.1
Class 0.5	Class 0.5
Class 0.5	Class 0.5
Class 0.2	Class 0.2
Class 0.5	Class 0.5
Class 1	Class 1
Class 0.5S	Class 0.5S
Class 2	Class 2
12	12
NO (SPST)	NO (SPST)
2A	2A
250VAC	250VAC
500 VA	500 VA
≥ 10.0000000 operations	≥ 10.0000000 operations
5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
2	2
NO (SPST)	NO (SPST)
4A	4A
250 VAC	250 VAC
1000 VA	1000 VA
≥ 10.0000000 operations	≥ 10.0000000 operations
5×104(5A@250VAC) 1×105(5A@30VDC)	5×104(5A@250VAC) 1×105(5A@30VDC)
1	1
45-65Hz	45-65Hz
95-240VAC	95-240VAC
-	-
-	-
-	-
120...510V AC ±10% from L1-N	120...510V AC ±10% from L1-N
45-65Hz	45-65Hz
< 10VA	< 10VA
-	-
-	-
-	-
-	-
-	-
-	-
-	Modbus RTU
-	1200-38400 bps adjustable
-	Odd, Even, None
-	1
-	1-247
-	2000V RMS
374	379
Front IP40 / Rear IP20 (IP66 with accessory)	Front IP40 / Rear IP20 (IP66 with accessory)
Panel Mount	Panel Mount
2.5mm² - 14AWG	2.5mm² - 14AWG
4mm² - 12AWG, 2x1.5mm² - 2x16AWG	4mm² - 12AWG, 2x1.5mm² - 2x16AWG
-	1.5mm² - 16AWG
-	1.5mm² - 16AWG, 2x0.75mm² - 2x18AWG
-20°C +55°C	-20°C +55°C
-30°C +80°C	-30°C +80°C
Maks. 95%	Maks. 95%

Electronic Products

Time Relays Series

Klemsan new Z1x series time relays offer optimum solutions in various industrial applications with different function options and with 12-240 V AC/DC (universal input) wide supply range.

It is suitable for use in narrow panels with its new body design under the DIN norm.

In addition to single-function devices, there are up to 10 function options that can be controlled via trigger input, based on the model. Time settings can be made easily with the trimpots on the device between 0.1 sec to 10 days.

Special functional relays such as star-delta, left-right, etc are also available in the product portfolio.



- 12-240 V AC/DC universal supply range
- 18 mm enclosure design under DIN Norm and design under IEC 61812-1 standard
- Support for up to 10 functions based on model
- 0.1sec – 10 days wide time range
- Power-off delay function adjustable for up to 2 hours
- Relay output (10A)
- High mechanical endurance
- Function control via trigger input
- LED notifications

TIME RELAYS SERIES

Product Name	Order No	Definition	Trigger Input	On Delay (ND)	Off Delay (FD)	Power Off Delay (PFD)	Off Flasher (FDF)	On Flasher (NDF)	On - Off Delay (NFD)	On Delay with Trigger (yND)	Off Delay with Trigger (yFD)	On and Off Delay with Trigger (yNF)	Pulse Delayed with Control Signal (yN)	Pulse Output with Control Signal (yP)	Additive on Delay (yNA)	On Delay with Maintened Control Signal (yMN)	Off Delay with Maintened Control Signal (yMF)	Interval with Control Signal On (yIR)	Interval with Control Signal Off (yIF)	Star Delta (SD)	Left - Right (LR)	Relay Qty	Time Adjustment	12..240 V AC/DC	24..240 V AC/DC	150..500 V AC
Z1A-ND30s	261025	Timer Relay		√																		1 C/O	1 sec .. 30 sec		√	
Z1A-ND100s	261023	Timer Relay		√																		1 C/O	1 sec .. 100 sec		√	
Z1T-ND100s	261010	Timer Relay (Sensitive)		√																		1 C/O	1 sec .. 100 sec	√		
Z1T-PFD120m-24	261011	Power Off Delay				√																1 C/O	1sec .. 120min		√	
Z1T-FDF	261013	Timer Relay					√															1 C/O	0.1 sec .. 10 day	√		
Z1T-NDF	261014	Timer Relay						√														1 C/O	0.1 sec .. 10 day	√		
Z1T-ND100s.2	261026	Timer Relay		√																		2 C/O	1 sec .. 100 sec	√		
Z1T-M2	261015	Multi-Func Time Relay		√	√																	1 C/O	0.1 sec .. 99.9 saat	√		
Z1K-M2A	261016	Multi-Func Time Relay	√						√	√												1 C/O	0.1 sec .. 99.9 saat	√		
Z1T-M4	261017	Multi-Func Time Relay		√	√		√	√														1 C/O	1 sec .. 10 day	√		
Z1T-M5	261018	Multi-Func Time Relay		√	√		√	√	√													1 C/O	1 sec .. 10 day	√		
Z1K-M10	261019	Multi-Func Time Relay	√	√	√		√					√		√	√	√	√	√	√			1 C/O	0.1 sec .. 10 day	√		
Z1K-M10A	261024	Multi-Func Time Relay	√	√	√		√					√	√	√		√	√	√	√			1 C/O	0.1 sec .. 10 day	√		
Z1T-LR.2	261020	Left-Right Timer																			√	2 C/O	0.1 sec .. 10 day	√		
Z1T-SD	261021	Star-Delta Timer Relay																		√		2 C/O	0.1 sec .. 30 sec, 20 .. 500msec	√		
Z1T-SD-500	261022	Star-Delta Timer Relay																		√		2 C/O	0.1 sec .. 30 sec, 20 .. 500msec			√

NOTE: See product manuals for function descriptions.

Electronic Products

Protection & Monitoring Relays Series

Klemsan protection and monitoring relays in new enclosures under the DIN norm, are designed to protect your system against problems caused by voltage, frequency, and temperature in single-phase and three-phase electrical systems.

In addition to fixed protection models that do not require any adjustments, some products allow asymmetry, voltage protection, protection parameter selection, and time setting adjustment over trimpots on the device



- System errors can be monitored thanks to the LED notifications that indicate errors.
- Product design under TS EN 60255 standard,
- 18mm thin product body under DIN standard,
- TRMS measurement,
- Red LED indicators for error notification,
- Orange LED indicator for relay status,
- Adjustable pots for time and limit values,
- 5A SPDT relay output,
- Optionally Asymmetry, Phase Sequence, Absence of Phase, High - Low Voltage, High - Low Frequency, PTC, Neutral break protection,
- Liquid level and light intensity monitoring functions
- Star, delta, and single-phase connection options,
- High precision and high mechanical durability.

FIXED PRODUCTION RELAYS

Product Name	Order No	Definition	3P4W	3P3W	Phase-Loss Protection	Phase Sequence Protection	Asymmetry Protection	PTC Input	1 C/O	1 NO	85-300 VAC (VLN)	180-265 VAC (VLN)	145-520 VAC (VLL)
FP1Y-ASF 230	270271	Motor Protection Relay	√		√	√	20%		√		√		
FP1D-ASF 400	270272	Motor Protection Relay		√	√	√	20%		√			√	
FP1Y-ASF8 230	270273	Motor Protection Relay	√		√	√	40%		√				
FP1Y-ASF8.3 230	270274	Motor Protection Relay	√		√	√	40%			√	√		
FP1Y-AF 230	270275	Motor Protection Relay	√		√		20%		√		√		
FP1Y-SF 230	270276	Motor Protection Relay	√		√	√			√		√		
FP1Y-SFP 230	270284	Motor Protection Relay	√		√	√		√	√		√		
FP1D-SFP 400	270285	Motor Protection Relay		√	√	√		√	√			√	
FP1YA-ASF8 230	270300	Motor Protection Relay	√		√	√	20%		√				√
FP1YA-ASF8.3 230	270301	Motor Protection Relay	√		√	√	20%		√				√
FP1D-SF 400	270302	Motor Protection Relay		√	√	√			√			√	

Electronic Products

Protection & Monitoring Relays Series

ADJUSTABLE PROTECTION RELAYS

Product Name	Order No	Definition	3P4W	3P3W	Phase-Loss Protection	Phase Sequence Protection	Asymmetry Protection	Low Voltage Protection	High Voltage Protection	Low - High Voltage Protection (Same Trimpot)	Neutral Loss Protection	Nominal Voltage (Un)	PTC Input	Adjustable On Delay	Adjustable Off Delay	1 C/O	75-250 VAC (VLN)	85-300 VAC (VLN)	130-430 VAC (VLL)	145-520 VAC (VLL)
P1Y-ASF 230	270277	Motor Protection Relay	√		√	√	±(5-30%)/0ff					230V			0.1-10 sec	√		√		
P1D-ASF 400	270278	Motor Protection Relay		√	√	√	±(5-30%)/0ff					400V			0.1-10 sec	√				√
P1Y-M1WASFN 170-280	270282	Motor Protection Relay	√		√	√	±(5-30%)/0ff			±(5-30%)/0ff	√	170-280V			0.1-10 sec	√		√		
P1D-M1WASF 295-480	270283	Motor Protection Relay		√	√	√	±(5-30%)/0ff			±(5-30%)/0ff		295-480V			0.1-10 sec	√				√
P1Y-M2WSP 170-280	270286	Motor Protection Relay	√		√			-(5-30%)/0ff	+(5-30%)/0ff			170-280V	√		0.1-10 sec	√		√		
P1D-M2WSP 295-480	270287	Motor Protection Relay		√	√	√		-(5-30%)/0ff	+(5-30%)/0ff			295-480V	√		0.1-10 sec	√				√
P1Y-M1WASFN 100-200	270288	Motor Protection Relay	√		√	√	±(5-30%)/0ff			±(5-30%)/0ff	√	100-200V			0.1-10 sec	√	√			
P1D-M1WASF 175-345	270289	Motor Protection Relay		√	√	√	±(5-30%)/0ff			±(5-30%)/0ff		175-345V			0.1-10 sec	√			√	
P1Y-M2WSP 100-200	270290	Motor Protection Relay	√		√	√		-(5-30%)/0ff	+(5-30%)/0ff			100-200V	√		0.1-10 sec	√	√			
P1D-M2WSP 175-345	270291	Motor Protection Relay		√	√	√		-(5-30%)/0ff	+(5-30%)/0ff			175-345V	√		0.1-10 sec	√			√	
FP1D-SF 400	270302	Motor Protection Relay		√	√	√			√			√								

Electronic Products

Protection & Monitoring Relays Series

VOLTAGE MONITORING RELAYS

Product Name	Order No	Definition	1P2W	3P4W	3P3W	Phase-Loss Protection	Phase Sequence Protection	Low Voltage Protection	High Voltage Protection	Low - High Voltage Protection (Same Trimpot)	Neutral Loss Protection	Nominal Voltage (Un)	Adjustable On Delay	Adjustable Off Delay	1 C/O	75-250 VAC (VLN)	85-300 VAC (VLN)	130-430 VAC (VLL)	145-520 VAC (VLL)
V1Y-WFN 230	270279	Voltage Monitoring Relay		√		√		150-210V	240-300V		√	230V	0.1-10 sec	0.1-10 sec	√		√	√	
V1Y-WS 300	270280	Voltage Monitoring Relay		√		√	√	150-210V	240-300V			230V	0.1-10 sec	0.1-10 sec	√		√		
V1D-WS 520	270281	Voltage Monitoring Relay			√	√	√	260-360V	415-520V			400V	0.1-10 sec	0.1-10 sec	√				√
V1Y-WUN 120-480	270292	Voltage Monitoring Relay		√		√	√			±(5-30%)/Off	√	120-277V	2 sec	0.1-15 sec	√		√		
V1Y-WUN.9 120-480	270293	Voltage Monitoring Relay		√		√	√			±(5-30%)/Off	√	120-277V	2 sec	0.1-15 mins	√		√		
V1U-M2W 230	270295	Voltage Monitoring Relay	√			√		(90-115%)Un	(80-130%)Un			230V	0.1-10 sec	0.1-10 sec	√		√		
V1U-M2W 120	270296	Voltage Monitoring Relay	√			√		(75-115%)Un	(80-130%)Un			120V	0.1-10 sec	0.1-10 sec	√	√			

SPECIAL FUNCTIONAL MONITORING RELAYS

Product Name	Order No	Definition	PTC Monitoring	Frequency Monitoring Range	Frequency Monitoring Voltage	Light Intensity Monitoring Range	Liquid Level Sensitivity Range	Liquid Level Probe Qty	Adjustable On Delay	Adjustable Off Delay	1 C/O	24-265 VAC/DC (VLN)	115VAC & 230VAC
K1F-WL6 50/60	270294	Frequency Monitoring		45-65Hz	85-300VLN					0.1-10 sec	√	√	
FK1T-P 24-265	270297	Temperature Monitoring	√								√	√	
K1TW-D7 20K	270298	Light Intensity				1-20 lux				0.1-10 sec	√	√	
K2LC-D2 115-230	270299	Liquid Level Monitoring					1-75kohm	6	0.1-10 sec	0.1-10 sec	√		√

Electronic Products

MEASTRO Series Astronomical Timers

MEASTRO-R
Infrared Controller



Order Number: 270 720



Type		MEASTR0110	MEASTR0120	MEASTR0121	MEASTR0221	MEASTR0321	MEASTR0122	MEASTR0222	MEASTR0322
Definition		Digital Timer	Digital Timer	Astronomical Timer	Astronomical Timer	Astronomical Timer	Astronomical Timer	Astronomical Timer	Astronomical Timer
Order Number		270 700	270 701	270 702	270 703	270 704	270 705	270 706	270 707
Casing Width(mm)		36mm	36mm	36mm	36mm	36mm	36mm	36mm	36mm
Connections		Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal	Screw Terminal
Mounting		Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount
Functions	Digital time clock	√	√	√	√	√	√	√	√
	Astronomical time clock	-	-	√	√	√	-	√	√
	Prayer program	-	-	-	-	√	-	-	√
	Infrared	-	-	√	√	√	-	-	-
	Programming with controller	-	-	√	√	√	-	-	-
	RS485 (Modbus RTU)	-	-	-	-	-	√	√	√
	Display	Type	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	Dimensions	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
		Renewal time	0.5sec	0.5sec	0.5sec	0.5sec	0.5sec	0.5sec	0.5sec
Number of Program		100	100	100	100	100	100	100	100
Infrared Distance		550 mm	550 mm	550 mm	550 mm	550 mm	550 mm	550 mm	550 mm
Accuracy		±1sec/day							
Battery Life		7 years	7 years	7 years	7 years	7 years	7 years	7 years	7 years
Type of Output		Relay	Relay	Relay	Relay	Relay	Relay	Relay	Relay
	Relay Outputs	Number of Contacts	1	2	2	2	2	2	2
	Type	1 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)
	Max. Ratings -AC	16A / 250VAC	16A / 250VAC	16A / 250VAC	16A / 250VAC	16A / 250VAC	16A / 250VAC	16A / 250VAC	16A / 250VAC
	Max. Switching Power	1250VA	1250VA	1250VA	1250VA	1250VA	1250VA	1250VA	1250VA
	Mechanical Life Time	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7
	Electrical Life Time	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4
	Supply Voltage	Supply Voltage	DC	-	-	-	-	-	-
		AC	180…265 V AC	180…265 V AC	180…265 V AC	180…265 V AC	180…265 V AC	180…265 V AC	180…265 V AC
	Supply Frequency		50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz
	Permissible Ambient Temperature	During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
		During Storage	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C
Relative Humidity		Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Operating Frequency		50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz	50-60Hz
Degree of Protection		IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
	Power Consumption	DC	-	-	-	-	-	-	-
	AC	<11VA	<11VA	<11VA	<11VA	<11VA	<11VA	<11VA	<11VA

Electronic Products

DPR Series Digital Protection Relays



Type			DPR3110	DPR3120	DPR3111	DPR3121	DPR3110E	DPR3120E
Definition			Digital Protection Relay	Digital Protection Relay	Digital Protection Relay	Digital Protection Relay	Digital Protection Relay	Digital Protection Relay
Order Number			270 600	270 601	270 602	270 603	270 604	270 605
Casing Width(mm)			36mm	36mm	36mm	36mm	36mm	36mm
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Network			3Ø with neutral	3Ø with neutral	3Ø without neutral	3Ø without neutral	3Ø with neutral	3Ø with neutral
Monitoring Functions	**Phase Failure**	Delay Time	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec
	Phase Seguence	Delay Time	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec
	Adjustable Unbalanced Protection	Range	0 - 30%	0 - 30%	0 - 30%	0 - 30%	0 - 30%	0 - 30%
		Hysteresis	0 - 30%	0 - 30%	0 - 30%	0 - 30%	0 - 30%	0 - 30%
		Delay Time	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec
	Adjustable Voltage Protection	Range	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V
		Hysteresis	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V
		Delay Time	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec
	Adjustable Frequency Protection	Range	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V
		Hysteresis	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V	0 - 999 V
		Delay Time	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec	0 - 999 sec
	PTC Protection	Threshold	1100Ω	-	1100Ω	-	1100Ω	-
		Delay Time	0 - 999 sec	-	0 - 999 sec	-	0 - 999 sec	-
Type of Output			Relay	Relay	Relay	Relay	Relay	Relay
Auxiliary Contacts		Number of Contacts	1	2	1	2	1	2
		Type	1 C/O (SPDT)	2 C/O (SPDT)	1 C/O (SPDT)	2 C/O (SPDT)	1 C/O (SPDT)	2 C/O (SPDT)
		Max Ratings-AC	10A / 250VAC	10A / 250VAC	10A / 250VAC	10A / 250VAC	10A / 250VAC	10A / 250VAC
		Max. Switching Power	1250VA	1250VA	1250VA	1250VA	1250VA	1250VA
		Mechanical Life Time	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7	≥ 10^7
		Electrical Life Time	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4	5x10^4
Supply Voltage	**External Supply**		-	-	-	-	Available	Available
	Supply Voltage	DC	-	-	-	-	-	-
		AC	85..300 V AC	85..300 V AC	85..300 V AC	85..300 V AC	85..300 V AC	85..300 V AC
	Supply Frequency		35-70Hz	35-70Hz	35-70Hz	35-70Hz	35-70Hz	35-70Hz
Permissible Ambient Temperature		During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
		During Storage	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C	-30°C..+80°C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Operating Frequency			35-70Hz	35-70Hz	35-70Hz	35-70Hz	35-70Hz	35-70Hz
Degree of Protection			IP20	IP20	IP20	IP20	IP20	IP20
Power Consumption		DC	-	-	-	-	-	-
		AC	<4VA	<4VA	<4VA	<4VA	<4VA	<4VA

MGS Series Automatic Transfer Relay

The MGS series automatic transfer switches monitor the 3-phase mains and control the transition between the mains and the generator in undesirable situations. The system and device actions are easily understood through the LEDs on the device, while bidirectional transition times can be adjusted up to 100 msec using trimpots.

Designed in a 72mm width enclosure compliant with DIN standards, the MGS series does not require an external power supply as it is powered through measurement terminals.

- DIN standard compliant 72mm body design
- Low Voltage, Phase Loss, and Optional Phase Sequence Protection
- Bidirectional transition times are adjustable up to 100 msec
- LED Notifications
- 3 pcs 16A relays: mains contactor output, generator contactor output, and generator start output
- Isolated grid and generator supply

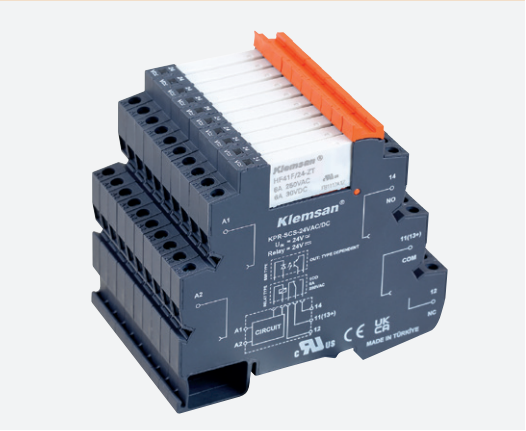


MGS AUTOMATIC TRANSFER RELAY SERIES

Product Name	Order No	Definition	Low Voltage and Phase Loss Control	Phase Sequence Control	Transition Time Setting up to 100 sec.	72mm Enclosure	85-300 V AC Supply
MGS 3100	270460	Automatic Transfer Switch	√		√	√	√
MGS 3110	270461	Automatic Transfer Switch		√	√	√	√

Electronic Products

KPR series PLC Interface Relays



Klemsan new PLC interface relay series with new colors is an electrically operated relay series that has 6VDC input to 230V AC/DC options and provides isolation between control circuits and controlled circuits. It is designed to provide maximum efficiency for different projects thanks to its 6.2mm width and support for both electromechanical and SSR (Solid State Relay).

- Input voltage options between 6V and 230V,
- DC and AC supply voltage options,
- Electromechanical and SSR support in the same enclosure
- Saving in cable connection time with cross-connection,
- 6A switching current under 250V AC,
- Space saving with 6.2mm design,
- LED status indicator to see the actual movement of the contacts,
- Labeling with terminal block marking materials,
- Special filter design that is not affected by voltage leaks
- Maximum resistance to interference with Electromagnetic Compatibility (EMC) certificate,
- Self-extinguishing plastic casing,
- UL certification

Product Name	Order No	Definition	6V	12V	24V	48V	60V	115V	230V	AC	DC	AC/ DC	Filtered	Max. Switching Current	Dimension
KPR-SCS-6VDC-1C	271003	Interface Relay Module	√								√			6A	6,2 mm
KPR-SCS-6VDC	271004	Interface Relay Socket	√								√			6A	6,2 mm
KPR-SCS-12VAC/DC-1C	271009	Interface Relay Module		√								√		6A	6,2 mm
KPR-SCS-12VAC/DC	271010	Interface Relay Socket		√								√		6A	6,2 mm
KPR-SCS-12VDC-1C	271013	Interface Relay Module		√							√			6A	6,2 mm
KPR-SCS-12VDC	271014	Interface Relay Socket		√							√			6A	6,2 mm
KPR-SCS-24VAC/DC-1C	271019	Interface Relay Module			√							√		6A	6,2 mm
KPR-SCS-24VAC/DC	271020	Interface Relay Socket			√							√		6A	6,2 mm
KPR-SCS-24VDC-1C	271023	Interface Relay Module			√						√			6A	6,2 mm
KPR-SCS-24VDC	271024	Interface Relay Socket			√						√			6A	6,2 mm
KPR-SCS-48VAC/DC-1C	271029	Interface Relay Module				√						√		6A	6,2 mm
KPR-SCS-48VAC/DC	271030	Interface Relay Socket				√						√		6A	6,2 mm
KPR-SCS-48VDC-1C	271033	Interface Relay Module				√					√			6A	6,2 mm
KPR-SCS-48VDC	271034	Interface Relay Socket				√					√			6A	6,2 mm
KPR-SCS-60VAC/DC-1C	271039	Interface Relay Module					√					√		6A	6,2 mm
KPR-SCS-60VAC/DC	271040	Interface Relay Socket					√					√		6A	6,2 mm
KPR-SCS-60VDC-1C	271043	Interface Relay Module					√				√			6A	6,2 mm
KPR-SCS-60VDC	271044	Interface Relay Socket					√				√			6A	6,2 mm
KPR-SCS-115VAC/DC-1C	271049	Interface Relay Module						√				√		6A	6,2 mm
KPR-SCS-115VAC/DC	271050	Interface Relay Socket						√				√		6A	6,2 mm
KPR-SCS-115VDC-1C	271053	Interface Relay Module						√			√			6A	6,2 mm
KPR-SCS-115VDC	271054	Interface Relay Socket						√			√			6A	6,2 mm
KPR-SCL-115VAC/DC-1C	271055	Interface Relay Module						√				√	√	6A	6,2 mm
KPR-SCL-115VAC/DC	271056	Interface Relay Socket						√				√	√	6A	6,2 mm
KPR-SCS-230VAC/DC-1C	271059	Interface Relay Module							√			√		6A	6,2 mm
KPR-SCS-230VAC/DC	271060	Interface Relay Socket							√			√		6A	6,2 mm
KPR-SCS-230VAC-1C	271061	Interface Relay Module							√	√				6A	6,2 mm
KPR-SCS-230VAC	271062	Interface Relay Socket							√	√				6A	6,2 mm
KPR-SCL-230VAC/DC-1C	271065	Interface Relay Module							√			√	√	6A	6,2 mm
KPR-SCL-230VAC/DC	271066	Interface Relay Socket							√			√	√	6A	6,2 mm
KPR-SCL-230VAC-1C	271067	Interface Relay Module							√	√			√	6A	6,2 mm
KPR-SCL-230VAC	271068	Interface Relay Socket							√	√			√	6A	6.2 mm

Electronic Products

KPR Series PLC Interface Relays



Pre-assembled module (relay + socket)		**Type**	**KPR-SWE-6VDC-1C**	**KPR-SWE-12VAC/ DC-1C**	**KPR-SWE-12VDC-1C**	**KPR-SWE-24VAC/ DC-1C**	**KPR-SWE-24VDC-1C**	**KPR-SWE-48VAC/ DC-1C**	**KPR-SWE-48VDC-1C**
		Definition	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module
		Order Number	272 004	272 020	272 024	272 040	272 044	272 060	272 064
Casing Width(mm)			14	14	14	14	14	14	14
Connection			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Packaging unit			10	10	10	10	10	10	10
Input	Nominal Voltage(Un)		6VDC	12VAC/DC	12VDC	24VAC/DC	24VDC	48VAC/DC	48VDC
	Operating voltage range		> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN
	Release voltage		< %40 x UN	< %40 x UN	< %40 x UN	< %40 x UN	< %40 x UN	< %30 x UN	< %30 x UN
	Integrated RCZ filter		-	-	-	-	-	-	-
	Power Consumption	AC	-	<1VA	-	<1VA	-	<1VA	-
		DC	<1W	<1W	<1W	<1W	<1W	<1W	<1W
Contact Characteristic	Type		1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)
	Material		AgSnO2	AgSnO3	AgSnO4	AgSnO5	AgSnO6	AgSnO7	AgSnO8
	Coil voltage		5VDC	12VDC	12VDC	24VDC	24VDC	48VDC	48VDC
	Coil empedance		147x(1± 10%) Ω	848x(1± 10%) Ω	848x(1± 10%) Ω	3390x(1± 15%) Ω	3390x(1± 25%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω
	Coil consumption		400mW	400mW	400mW	400mW	400mW	400mW	400mW
	Operate time		15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.
	Release time		8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.
	Max. ratings (AC)		12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA
	Max. ratings (DC)		12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W
	Mechanical life time		1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7
	Electrical life time	NO	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)
		NC	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)
Isolation resistance			1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
Dielectric Strength	Between relay coil and contacts		5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.
	Between contacts		1000VAC 1 min...	1000VAC 1 min..	1000VAC 1 min..	1000VAC 1 min..	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.
Permissible ambient temperature		During operation	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
		During storage	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
Relative Humidity			5% .. 85% (no ondensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
Degree of protection			IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Weight(gr)			56	56	56	56	56	56	56
Max. cable cross-section			2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
Max. Torque			0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
Permissible mounting position			any	any	any	any	any	any	any
Accessories and Components	APP/KPR 	Type	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR
		Definition	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate
		Order Number	463 247	464 247	465 247	466 247	467 247	468 247	469 247
		Packaging unit	25	25	25	25	25	25	25
	Socket 	Type	KPR-SWE-6VDC-1C (Röle Soket)	KPR-SWE-12VAC/DC-1C (Relay Socket)	KPR-SWE-12VDC-1C	KPR-SWE-24VAC/DC-1C (Relay Socket)	KPR-SWE-24VDC-1C (Relay Socket)	KPR-SWE-48VAC/DC-1C (Relay Socket)	KPR-SWE-48VDC-1C (Relay Socket)
		Definition	Interface relay socket(6V DC)	Interface relay socket(12VAC/DC)	Interface relay socket(12VAC/DC)	Interface relay socket(24VAC/DC)	Interface relay socket(24VDC)	Interface relay socket(48VAC/DC)	Interface relay socket(48VDC)
		Order Number	272 005	272 021	272 025	272 041	272 045	272 061	272 065
		Packaging unit	10	10	10	10	10	10	10
	Relay 	Type	1 C/O 5VDC Relay	1 C/O 12VDC Relay	1 C/O 12VDC Relay	1 C/O 24VDC Relay	1 C/O 24VDC Relay	1 C/O 48VDC Relay	1 C/O 48VDC Relay
		Definition	Relay for 272 004 and 272 505	Relay for 272 020 and 272 521	Relay for 272 024 and 272 525	Relay for 272 040 and 272 541	Relay for 272 044 and 272 545	Relay for 272 060 and 272 561	Relay for 272 064 and 272 565
		Order Number	095 064	095 063	095 063	095 062	095 062	095 061	095 061
		Packaging unit	50	50	50	50	50	50	50
	Plug-in bridge-8 	Type	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)
		Definition	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole
		Order Number	476 900	476 900	476 900	476 900	476 900	476 900	476 900
		Packaging unit	25	25	25	25	25	25	25
	Plug-in bridge-2 	Type	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI
		Definition	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole
		Order Number	476 910	476 910	476 910	476 910	476 910	476 910	476 910
		Packaging unit	25	25	25	25	25	25	25

KPR Series PLC Interface Relays



KPR-SWE-60VAC/ DC -1C	KPR-SWE-60VDC-1C	KPR-SWE-115VAC/ DC-1C	KPR-SWE-115VDC-1C	KPR-SWF-115VAC/ DC-1C	KPR-SWE-230VAC/ DC-1C	KPR-SWE-230VAC-1C	KPR-SWF-230VAC/ VDC-1C	KPR-SWF-230VAC-1C
Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module
272 080	272 084	272 100	272 104	272 106	272 120	272 122	272 126	272 128
14	14	14	14	14	14	14	14	14
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
10	10	10	10	10	10	10	10	10
60VAC/DC	60VDC	115VAC/DC	115VDC	115VAC/DC	230VAC/DC	30VAC	230VAC/VDC	230VAC
> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN
< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %40 x UN	< %30 x UN	< %30 x UN	< %30 x UN
-	-	-	-	Avaible	-	-	Avaible	Avaible
<1VA	-	<1VA	-	<1VA	<1VA	<1VA	<1VA	<1VA
<1W	<1W	<1W	<1W	<1W	<1W	<1W	<1W	<1W
1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)	1 C/O (SPDT)
AgSnO9	AgSnO10	AgSnO11	AgSnO12	AgSnO13	AgSnO14	AgSnO15	AgSnO16	AgSnO17
48VDC	48VDC	110VDC	110VDC	110VDC	110VDC	110VDC	110VDC	110VDC
10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω	10600x(1± 15%) Ω
400mW	400mW	400mW	400mW	400mW	400mW	400mW	400mW	400mW
15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.	15 ms Maks.
8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.	8 ms Maks.
12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA	12A/ 400VAC ; 2000VA
12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W	12A/ 30VDC ; 240W
1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7	1 x 10^7
3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)	3 x 10^4 (85°C)
1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)	1 x 10^5 (85°C)
1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.	5000VAC 1 min.
1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.
-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
56	56	56	56	56	56	56	56	56
2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
any	any	any	any	any	any	any	any	any
APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR
Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate
470 247	471 247	472 247	473 247	474 247	475 247	476 247	477 247	478 247
25	25	25	25	25	25	25	25	25
KPR-SWE-60VAC/DC-1C (Relay Socket)	KPR-SWE-60VDC-1C (Relay Socket)	KPR-SWE-115VAC/DC-1C (Relay Socket)	KPR-SWE-115VDC-1C (Relay Socket)	KPR-SWF-115VAC/DC-1C (Relay Socket)	KPR-SWE-230VAC/DC-1C (Relay Socket)	KPR-SWE-230VAC-1C (Relay Socket)	KPR-SWF-230VAC/VDC-1C (Relay Socket)	KPR-SWF-230VAC-1C (Relay Socket)
Interface relay socket(60VAC/DC)	Interface relay socket(60VDC)	Interface relay socket(115VAC/DC)	Interface relay socket(115VDC)	"Interface relay socket with RCZ filter115VAC/DC)"	Interface relay socket(230VAC/DC)	Interface relay socket(230VDC)	Interface relay socket with RCZ filter(230VAC/DC)	Interface relay socket with RCZ filtert(230VAC)
272 081	272 085	272 101	272 105	272 107	272 121	272 123	272 127	272 129
10	10	10	10	10	10	10	10	10
1 C/O 48VDC Relay	1 C/O 48VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay	1 C/O 110VDC Relay
Relay for 272 080 and 272 581	Relay for 272 084 and 272 585	Relay for 272 100 and 272 601	Relay for 272 104 and 272 605	Relay for 272 106 and 272 607	Relay for 272 120 and 272 621	Relay for 272 122 and 272 623	Relay for 272 126 and 272 627	Relay for 272 128 and 272 629
095 061	095 061	095 060	095 060	095 060	095 060	095 060	095 060	095 060
50	50	50	50	50	50	50	50	50
TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)
Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole
476 900	476 900	476 900	476 900	476 900	476 900	476 900	476 900	476 900
25	25	25	25	25	25	25	25	25
K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI	K-KPR-SWE-2-LI
Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole	Plug-in bridge for 2 hole
476 910	476 910	476 910	476 910	476 910	476 910	476 910	476 910	476 910
25	25	25	25	25	25	25	25	25

Electronic Products

KPR Series PLC Interface Relays



Pre-assembled module (relay + socket)		**Type**	**KPR-SWE-6VDC-2C**	**KPR-SWE-12VAC/ DC-2C**	**KPR-SWE-12VDC-2C**	**KPR-SWE-24VAC/ DC-2C**	**KPR-SWE-24VDC-2C**	**KPR-SWE-48VAC/ DC-2C**	**KPR-SWE-48VDC-2C**
		Definition	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module
		Order Number	272 504	272 520	272 524	272 540	272 544	272 560	272 564
Casing Width(mm)			14	14	14	14	14	14	14
Connection			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Packaging unit			10	10	10	10	10	10	10
Input	Nominal Voltage(Un)		6VDC	12VAC/DC	12VDC	24VAC/DC	24VDC	48VAC/DC	48VDC
	Operating voltage range		> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN
	Release voltage		< %40 x UN	< %40 x UN	< %40 x UN	< %40 x UN	< %40 x UN	< %30 x UN	< %30 x UN
	Integrated RCZ filter		-	-	-	-	-	-	-
	Power Consumption	AC	-	<1VA	-	<1VA	-	<1VA	-
		DC	<1W	<1W	<1W	<1W	<1W	<1W	<1W
Contact Characteristic	Type		2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)
	Material		AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2
	Coil voltage		5VDC	12VDC	12VDC	24VDC	24VDC	48VDC	48VDC
	Coil empedance		62 x (1 ±10%) Ω	360 x (1 ±10%)	360 x (1 ±10%)	1440 x (1 ±10%)	1440 x (1 ±10%)	5760 x (1 ±10%)	5760 x (1 ±10%)
	Coil consumption		400mW	400mW	400mW	400mW	400mW	400mW	400mW
	Operate time		15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.
	Release time		8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.
	Max. ratings (AC)		8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA
	Max. ratings (DC)		8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W
	Mechanical life time		10^7	10^7	10^7	10^7	10^7	10^7	10^7
	Electrical life time	NO	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4
		NC	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4
Isolation resistance			1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
Dielectric Strength	Between relay coil and contacts		4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.
	Between contacts		1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.
Permissible ambient temperature		During operation	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
		During storage	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
Relative Humidity			5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
Degree of protection			IP20	IP20	IP20	IP20	IP20	IP20	IP20
Weight(gr)			56	56	56	56	56	56	56
Max. cable cross-section			2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
Max. Torque			0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
Permissible mounting position			any	any	any	any	any	any	any
Accessories and Components	APP/KPR 	Type	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR
		Definition	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate
		Order Number	463 247	463 247	463 247	463 247	463 247	463 247	463 247
		Packaging unit	25	25	25	25	25	25	25
	Socket 	Type	KPR-SWE-6VDC-2C (RELAY SOCKET)	KPR-SWE-12VAC/ DC-2C (RELAY SOCKET)	KPR-SWE-12VDC-2C (RELAY SOCKET)	KPR-SWE-24VAC/ DC-2C (RELAY SOCKET)	KPR-SWE-24VDC-2C (RELAY SOCKET)	KPR-SWE-48VAC/ DC-2C (RELAY SOCKET)	KPR-SWE-48VDC-2C (RELAY SOCKET)
		Definition	Interface relay socket (6VDC)	Interface relay socket (12VAC/DC)	Interface relay socket (12VDC)	Interface relay socket (24VAC/DC)	Interface relay socket (24VDC)	Interface relay socket (48VAC/DC)	Interface relay socket (48VDC)
		Order Number	272 505	272 521	272 525	272 541	272 545	272 561	272 565
		Packaging unit	10	10	10	10	10	10	10
	Relay 	Type	2 C/O 5VDC Relay	2 C/O 12VDC Relay	2 C/O 12VDC Relay	2 C/O 24VDC Relay	2 C/O 24VDC Relay	2 C/O 48VDC Relay	2 C/O 48VDC Relay
		Definition	Relay for 272 504 and 272 505	Relay for 272 520 and 272 521	Relay for 272 524 and 272 525	Relay for 272 540 and 272 541	Relay for 272 544 and 272 545	Relay for 272 560 and 272 561	Relay for 272 564 and 272 565
		Order Number	095 054	095 053	095 053	095 052	095 052	095 051	095 051
		Packaging unit	50	50	50	50	50	50	50
	Plug-in bridge-8 	Type	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)
		Definition	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole
		Order Number	476 900	476 900	476 900	476 900	476 900	476 900	476 900
		Packaging unit	25	25	25	25	25	25	25
	Dekafix 	Type	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T
		Definition	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays
		Order Number	505 390	505 390	505 390	505 390	505 390	505 390	505 390
		Packaging unit	360	360	360	360	360	360	360

Electronic Products

KPR Series PLC Interface Relays



KPR-SWE-60VAC/ DC-2C	KPR-SWE-60VDC-2C	KPR-SWE-115VAC/ DC-2C	KPR-SWE-115VDC-2C	KPR-SWF-115VAC/ DC-2C	KPR-SWE-230VAC/ DC-2C	KPR-SWE-230VAC-2C	KPR-SWF-230VAC/ VDC-2C	KPR-SWF-230VAC-2C
Int erface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module	Interface relay module
272 580	272 584	272 600	272 604	272 606	272 620	272 622	272 626	272 628
14	14	14	14	14	14	14	14	14
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
10	10	10	10	10	10	10	10	10
60VAC/DC	60VDC	115VAC/DC	115VDC	115VAC/DC	230VAC/DC	230VAC	230VAC/DC	230VAC
> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN	> %80 x UN
< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN	< %30 x UN
-	-	-	-	Available	-	-	Available	Available
<1VA	-	<1VA	-	<1VA	<2VA	<2VA	<2VA	<2VA
<1W	<1W	<1W	<1W	<1W	<1W	-	<2W	-
2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)	2 C/O (SPDT)
AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2
60VDC	60VDC	115VDC	115VDC	115VDC	115VDC	115VDC	115VDC	115VDC
5760 x (1 ±10%)	5760 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)	25200 x (1 ±10%)
400mW	400mW	400mW	400mW	400mW	400mW	400mW	400mW	400mW
15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.	15ms Max.
8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.	8ms Max.
8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A/250VAC; 2000VA	8A/250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA	8A / 250VAC; 2000VA
8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W	8A/30VDC; 240W
10^7	10^7	10^7	10^7	10^7	10^7	10^7	10^7	10^7
3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4	3x10^4
1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4	1x10^4
1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.	4000VAC 1 min.
1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.	1000VAC 1 min.
-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C
5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
56	56	56	56	56	56	56	56	56
2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
any	any	any	any	any	any	any	any	any
APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR	APP/KPR
Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate	Separator plate
463 247	463 247	463 247	463 247	463 247	463 247	463 247	463 247	463 247
25	25	25	25	25	25	25	25	25
KPR-SWE-60VAC/DC-2C (RELAY SOCKET)	KPR-SWE-60VDC-2C (RELAY SOCKET)	KPR-SWE-115VAC/ DC-2C (RELAY SOCKET)	KPR-SWE-115VDC-2C (RELAY SOCKET)	KPR-SWF-115VDC-2C (RELAY SOCKET)	KPR-SWE-230VAC/ DC-2C (RELAY SOCKET)	KPR-SWE-230VAC-2C (RELAY SOCKET)	KPR-SWF-230VAC/ DC-2C (RELAY SOCKET)	KPR-SWF-230VAC-2C (RELAY SOCKET)
Interface relay socket (60VAC/DC)	Interface relay socket (60VDC)	Interface relay socket (115VAC/DC)	Interface relay socket (115VDC)	Interface relay socket with RCZ filter (115VAC/DC)	Interface relay socket (230VAC/DC)	Interface relay socket (230VAC)	Interface relay socket with RCZ filter (230VAC/DC)	Interface relay socket with RCZ filter (230VAC)
272 581	272 585	272 601	272 605	272 607	272 621	272 623	272 627	272 629
10	10	10	10	10	10	10	10	10
2 C/O 48VDC Relay	2 C/O 48VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay	2 C/O 115VDC Relay
Relay for 272 580 and 272 581	Relay for 272 584 and 272 585	Relay for 272 600 and 272 601	Relay for 272 604 and 272 605	Relay for 272 606 and 272 607	Relay for 272 620 and 272 621	Relay for 272 622 and 272 623	Relay for 272 626 and 272 627	Relay for 272 628 and 272 629
095 051	095 051	095 050	095 050	095 050	095 050	095 050	095 050	095 050
50	50	50	50	50	50	50	50	50
TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)	TK-KPR-S (KPR-SCE BRIDGE/8)
Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole	Plug-in bridge for 8 hole
476 900	476 900	476 900	476 900	476 900	476 900	476 900	476 900	476 900
25	25	25	25	25	25	25	25	25
DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T	DG 10/6 T
Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays	Terminal Labels for interface relays
505 390	505 390	505 390	505 390	505 390	505 390	505 390	505 390	505 390
360	360	360	360	360	360	360	360	360

Electronic Products

KPR Series PLC Interface Relays



			Type	KPR-CIE-6VDC-1C	KPR-CIE-12VAC/DC-1C	KPR-CIE-12VDC-1C	KPR-CIE-24VAC/DC-1C	KPR-CIE-24VDC-1C	KPR-CIE-48VAC/DC-1C
Module			Definiton	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module
			Order Number	271504	271510	271514	271520	271524	271530
Casing Width(mm)				6.2	6.2	6.2	6.2	6.2	6.2
Connection				Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp
Packaging unit				10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
Input	Nominal Voltage(Un)			6VDC	12VAC/DC	12VDC	24VAC/DC	24VDC	48VAC/DC
	Operating voltage range			0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un
	Release voltage			0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un
	Power Consumption	AC			<0.35VA	<0.35VA	<0.35VA	<0.35VA	<0.35VA
		DC		<0.35W	<0.35W	<0.35W	<0.35W	<0.35W	<0.35W
Contact Characteristic	Type			1 C/O	1 C/O	1 C/O	1 C/O	1 C/O	1 C/O
	Material			AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2
	Coil voltage			5VDC	12VDC	12VDC	24VDC	24VDC	24VDC
	Coil empedance			147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω
	Coil consumption			170mW	170mW	170mW	170mW	170mW	170mW
	Operate time			10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.
	Release time			5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.
	Max. ratings (AC)			6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA
	Max. ratings (DC)			6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W
	Mechanical life time			10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations
	Electrical life time operations (UL approvel, 85°C)	NO		3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations
		NC		1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations
Isolation resistance				1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
Dielectric Strength	Between relay coil and contacts			4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min
	Between contacts			1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min
Permissible ambient temperature		During operation		-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
		During storage		-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Relative Humidity				5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
Degree of protection				IP20	IP20	IP20	IP20	IP20	IP20
Weight(gr)				26gr	26gr	26gr	26gr	26gr	26gr
Max. cable cross-section				2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
Max. torque				0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
Permissible mounting position				any	any	any	any	any	any
Integrated RCZ Filter				x	x	x	x	x	x

Accessories and Components



Definition	End Plate	Plug in bridge for 2 hole	Plug in bridge for 3 hole	Plug in bridge for 4 hole
Order Number	450389	470112	470113	470114
Package Unit	10 pcs.	25 pcs.	20 pcs.	15 pcs.

Electronic Products

KPR Series PLC Interface Relays



KPR-CIE-48VDC-1C	KPR-CIE-60VAC/DC-1C	KPR-CIE-60VDC-1C	KPR-CIE-115VAC/ DC-1C	KPR-CIE-115VDC-1C	KPR-CIF-115VAC/ DC-1C	KPR-CIE-230VAC/ DC-1C	KPR-CIE-230VAC/DC-1C
Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module	Integrated Interface relay module
271534	271540	271544	271550	271554	271556	271560	271562
6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp	Cage Clamp
10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
48VDC	60VAC/DC	60VDC	115VAC/DC	115VDC	115VAC/DC	230VAC/DC	230VAC/DC
0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un	0,8 x Un
0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un	0,2 x Un
<0.35VA	<0.35VA	<0.35VA	<0.35VA	<0.35VA	<0.35VA	<0.35VA	<0.35VA
<0.35W	<0.35W	<0.35W	<0.35W	<0.35W	<0.35W	<0.35W	<0.35W
1 C/O	1 C/O	1 C/O	1 C/O	1 C/O	1 C/O	1 C/O	1 C/O
AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2	AgSnO2
24VDC	60VDC	60VDC	60VDC	60VDC	60VDC	60VDC	60VDC
147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω	147x(1± 10%) Ω
170mW	170mW	170mW	170mW	170mW	170mW	170mW	170mW
10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.	10 ms max.
5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.	5 ms max.
6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA	6A/250VAC; 1500VA
6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W	6A/30VDC; 180W
10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations	10^7 operations
3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations	3 × 10^4 operations
1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations	1 × 10^4 operations
1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)	1000MΩ (500VDC)
4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min	4000VAC 1 min
1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min	1000VAC 1 min
-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)	5% .. 85% (no condensation)
IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
26gr	26gr	26gr	26gr	26gr	26gr	26gr	26gr
2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²	2.5mm²
0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm	0.4Nm
any	any	any	any	any	any	any	any
x	x	x	x	x	Available	x	Available

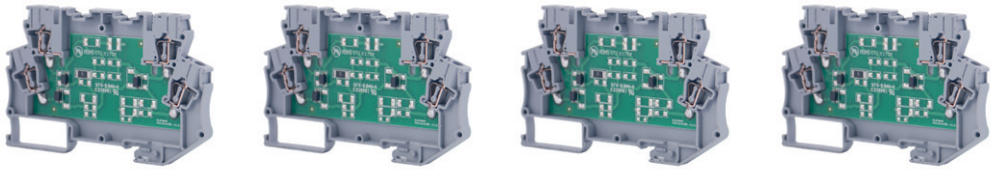
Accessories and Components

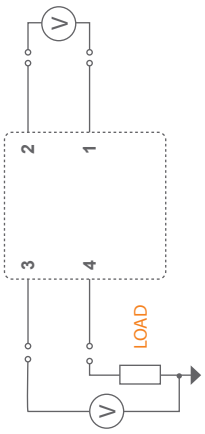
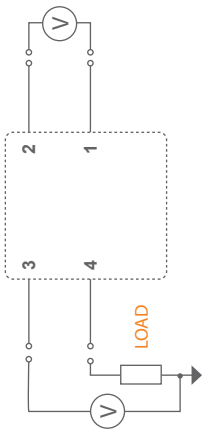
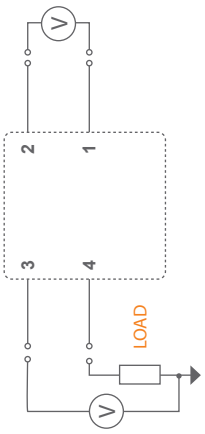
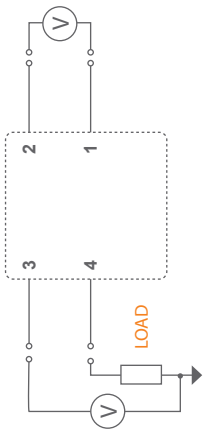


Plug in bridge for 5 hole	Plug in bridge for 10 hole	DG 6/5 - Label	DB 5 – Label	11.2 Strip label	
470115	470119	505330	505850	1020100	**NOTE:** This product is only compatible with below items: -112710N -112720N -112730N
10 pcs.	5 pcs.	440 pcs.	500 pcs.	1 pc.	

Electronic Products

OPK-EKI Series Optocoupler Modules



		Type	OPK - EKI 5 VAC/DC	OPK - EKI 12 VAC/DC	OPK - EKI 24 VAC/DC	OPK - EKI 48 VAC/DC
Pre-assembled module (relay + socket)		Defniton	Optocoupler module	Optocoupler module	Optocoupler module	Optocoupler module
		Order Number	112010N	112110N	112220N	112320N
Width/Depth/ Height (mm)			6.2/56/81.9	6.2/56/81.9	6.2/56/81.9	6.2/56/81.9
Connection			Cage clamp	Cage clamp	Cage clamp	Cage clamp
Packaging unit			1 pc.	1 pc.	1 pc.	1 pc.
Mounting			Rail Mount	Rail Mount	Rail Mount	Rail Mount
Input	Input Voltage		5V AC/DC	12V AC/DC	24V AC/DC	48V AC/DC
Output	Switching Voltage Range		5-48V DC	5-48V DC	5-48V DC	5-48V DC
	Maximum Switcing Current		0.65A DC	0.65A DC	0.65A DC	0.65A DC
Switching Type			High Side	High Side	High Side	High Side
Zero volt switching circuit			-	-	-	-
Response time			<10msec	<10msec	<10msec	<10msec
Schematics						

Accessories and Components

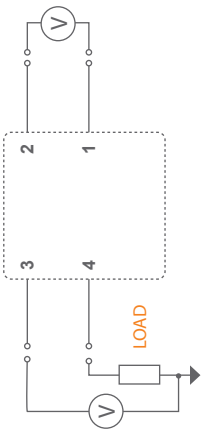
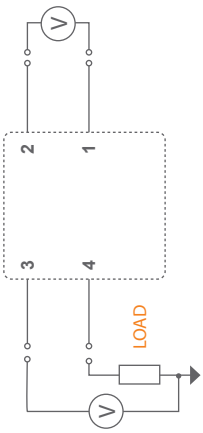
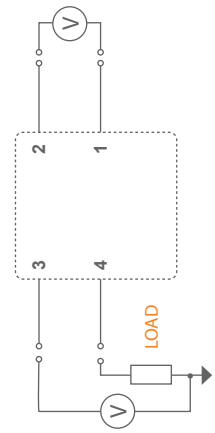
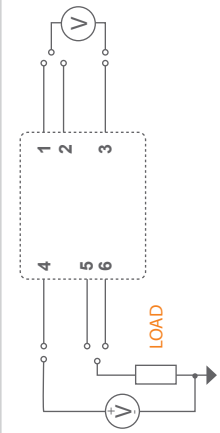
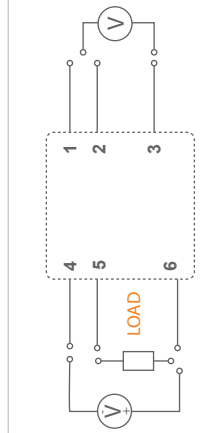
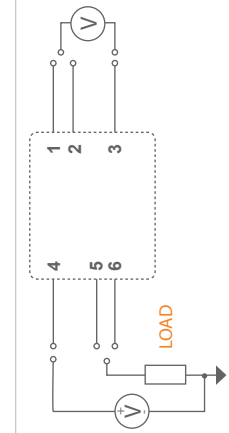


Definition	End Plate	Plug in bridge for 2 hole	Plug in bridge for 3 hole	Plug in bridge for 4 hole
Order Number	450389	470112	470113	470114
Package Unit	10 pcs.	25 pcs.	20 pcs.	15 pcs.

Electronic Products

OPK-EKI Series Optocoupler Modules



OPK - EKI 60 VAC/DC	OPK - EKI 110 VAC/DC	OPK - EKI 220 VAC/DC	OPK - EKI 9-72 VDC	OPK - EKI 9-72 VDC	OPK - EKI 9-72 VDC
Optocoupler module	Optocoupler module	Optocoupler module	Optocoupler module	Optocoupler module	Optocoupler module
112420N	112520N	112620N	112710N	112720N	112730N
6.2/56/81.9	6.2/56/81.9	6.2/56/81.9	6.2/56/81.9	6.2/56/81.9	6.2/56/81.9
Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp
1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.
Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount	Rail Mount
60V AC/DC	110V AC/DC	220V AC/DC	9-72V DC	9-72V DC	9-72V DC
5-48V DC	5-48V DC	5-48V DC	3-30V DC	3-30V DC	24-260V AC
0.65A DC	0.65A DC	0.65A DC	5A DC	5A DC	0.5A AC
High Side	High Side	High Side	High Side	Low Side	High Side
-	-	-	-	-	available
<10msec	<10msec	<10msec	<500µsec	<500µsec	<500µsec
					

Accessories and Components

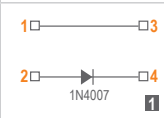
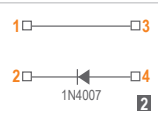
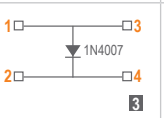
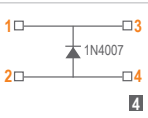
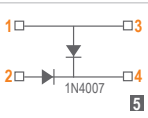
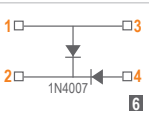


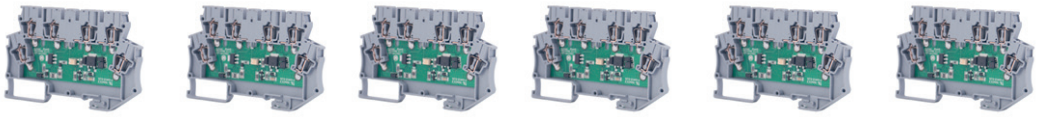
Plug in bridge for 5 hole	Plug in bridge for 10 hole	DG 6/5 - Label	DB 5 – Label	11.2 Strip label
470115	470119	505330	505850	1020100
10 pcs.	5 pcs.	440 pcs.	500 pcs.	1 pc.

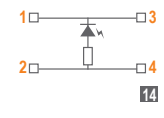
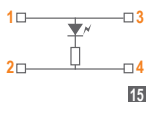
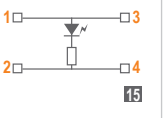
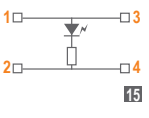
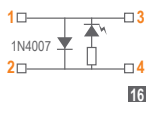
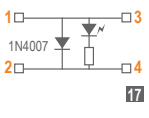
Electronic Products

WG-EKI Series Electronic Modules



Module	Type	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI
	Definiton	Reverse Current Protection	Reverse Current Protection	Reverse Current Protection	Reverse Current Protection	Lamp / Test Circuit	Lamp / Test Circuit
	Order Number	110010N	110020N	110030N	110040N	110050N	110060N
Casing Width (mm)		6.2	6.2	6.2	6.2	6.2	6.2
Connection		Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp
Packing Unit		10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
Nominal Voltage		x	x	x	x	x	x
Diode Coltage		1000V	1000V	1000V	1000V	1000V	1000V
Diode Voltage Drop		0,7V	0,7V	0,7V	0,7V	0,7V	0,7V
Degree of Protection		IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Weight		19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr
Diode Current		1A	1A	1A	1A	1A	1A
Circuit Diagram		 1	 2	 3	 4	 5	 6



Module	Type	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI
	Definiton	Voltage Indicator	Voltage Indicator	Voltage Indicator	Voltage Indicator	Voltage Indicator + Flyback Diode	Voltage Indicator + Flyback Diode
	Order Number	110160N	110170N	110180N	110190N	110200N	110210N
Casing Width (mm)		6.2	6.2	6.2	6.2	6.2	6.2
Connection		Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp
Packing Unit		10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
Nominal Voltage		220VDC	24VDC	110VDC	220VDC	24VDC	24VDC
Diode Coltage		1000V	1000V	1000V	1000V	1000V	1000V
Diode Voltage Drop		0,7V	0,7V	0,7V	0,7V	0,7V	0,7V
Degree of Protection		IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Weight		19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr
Diode Current		1A	1A	1A	1A	1A	1A
Circuit Diagram		 14	 15	 15	 15	 16	 17

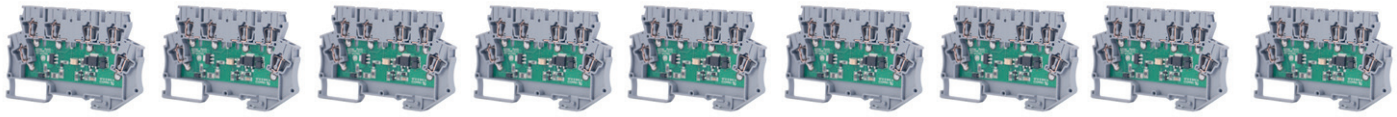
Accessories and Components

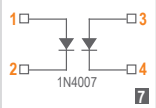
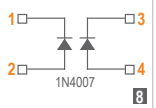
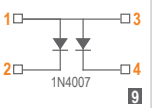
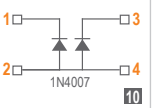
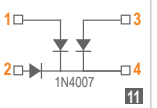
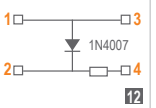
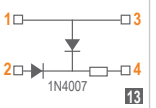
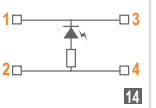
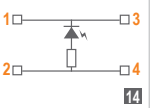


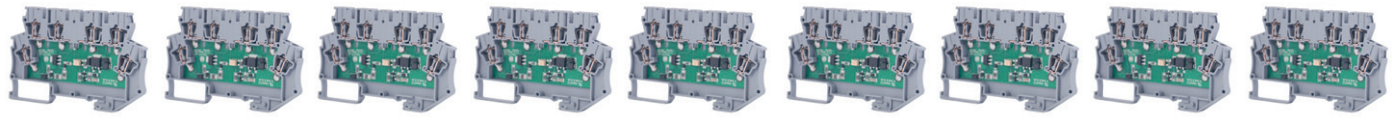
Definition	End Plate	Plug in bridge for 2 hole	Plug in bridge for 3 hole	Plug in bridge for 4 hole
Order Number	450389	470112	470113	470114
Package Unit	10 pcs.	25 pcs.	20 pcs.	15 pcs.

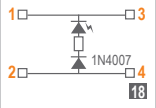
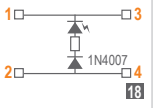
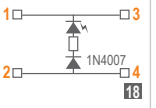
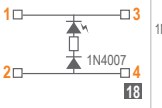
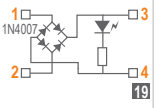
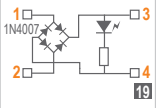
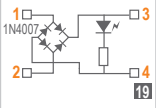
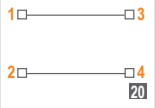
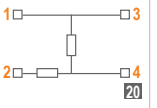
Electronic Products

WG-EKI Series Electronic Modules



WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI
Reverse Current Protection	Reverse Current Protection	Lamp / Test Circuit	Lamp / Test Circuit	Lamp / Test Circuit	Lamp / Test Circuit	Lamp / Test Circuit	Voltage Indicator	Voltage Indicator
110070N	110080N	110090N	110100N	110110N	110120N	110130N	110140N	110150N
6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp
10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
x	x	x	x	x	24VAC/DC	24VAC/DC	24VDC	110VDC
1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr
1A	1A	1A	1A	1A	1A	1A	1A	1A
								



WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI	WG-EKI
Voltage Indicator	Voltage Indicator	Voltage Indicator	Voltage Indicator	Voltage Indicator + Rectifier	Voltage Indicator + Rectifier	Voltage Indicator + Rectifier	Terminal with Cross Connection	Voltage Divider
110270N	110280N	110290N	110300N	110310N	110320N	110330N	110380N	110410N
6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp	Cage clamp
10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.	10 pcs.
24VAC/DC	48VAC/DC	110VAC/DC	220VAC/DC	24VAC/DC	110VAC/DC	220VAC/DC	X	24VAC/DC
1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V	0,7V
IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr	19.8gr
1A	1A	1A	1A	1A	1A	1A	1A	1A
								

Accessories and Components



Plug in bridge for 5 hole	Plug in bridge for 10 hole	DG 6/5 - Label	DB 5 – Label	11.2 Strip label
470115	470119	505330	505850	1020100
10 pcs.	5 pcs.	440 pcs.	500 pcs.	1 pc.

Electronic Products

Industrial Relays

We have different types of industrial relays, each with their own unique features and applications. When selecting an industrial relay for your project, it's crucial to choose one that matches your device's power requirements and has the right number of channels for controlling the desired devices. Reliable products, the right choice at an affordable price.

- All series are designed for universal use.
- Sockets can be used with different clips optionally.
- May include test buttons, diodes, and LED status indicators as needed.

KRG Series



KRG SERIES

Product Name	Order Number	Description	Input Ampere	Input Voltage	VAC	VDC	1 Pole	2 Poles	3 Poles	4 Poles	LED	Test Button	Diode
KRG100012	820285	Power Relay	12A	12		√	√				×	×	×
KRG100024	820286	Power Relay	12A	24		√	√				×	×	×
KRG100048	820288	Power Relay	12A	48		√	√				×	×	×
KRG200012	820296	Power Relay	8A	12		√		√			×	×	×
KRG200024	820297	Power Relay	8A	24		√		√			×	×	×
KRG200048	820299	Power Relay	8A	48		√		√			×	×	×
KRB1CO	820273	Relay Socket	12A	-	-	-	-	-	-	-	-	-	-
KRC1CO	820275	Relay Socket	12A	-	-	-	-	-	-	-	-	-	-
KRB2CO	820274	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
KRC2CO	820276	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
CLP/KRB-C-15L	820277	Plastic Clips	-	-	-	-	-	-	-	-	-	-	-

KRM Series



KRM SERIES

Product Name	Order Number	Description	Input Ampere	Input Voltage	VAC	VDC	1 Pole	2 Poles	3 Poles	4 Poles	LED	Test Button	Diode
KRM200012LT	820101	Industrial Relay	12A	12		√		√			√	√	×
KRM200048LT	820103	Industrial Relay	12A	48		√		√			√	√	×
KRM200110LT	820104	Industrial Relay	12A	110		√		√			√	√	×
KRM200524LT	820107	Industrial Relay	12A	24	√			√			√	√	×
KRM200615LT	820109	Industrial Relay	12A	115	√			√			√	√	×
KRM400048LT	820113	Industrial Relay	6A	48		√				√	√	√	×
KRM400110LT	820114	Industrial Relay	6A	110		√				√	√	√	×
KRM400615LT	820119	Industrial Relay	6A	115	√					√	√	√	×
KS 2CO ECO	820070	Relay Socket	12A	-	-	-	-	-	-	-	-	-	-
KS 4CO ECO	820071	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
KS 4CO	820171	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
KS-C 4CO	820347	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
LB/KS-ECO	820350	ID Tag	-	-	-	-	-	-	-	-	-	-	-

Electronic Products

Industrial Relays

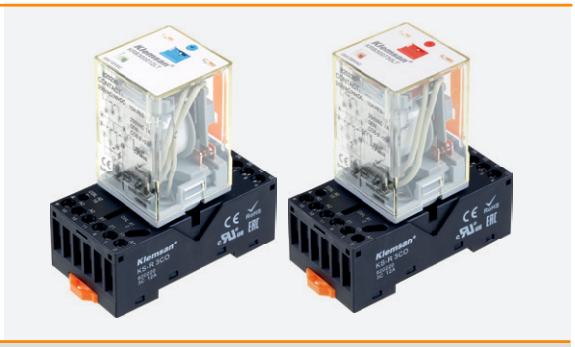
KRI Series



KRI SERIES

Product Name	Order Number	Description	Input Ampere	Input Voltage	VAC	VDC	1 Pole	2 Poles	3 Poles	4 Poles	LED	Test Button	Diode
KRI100012	820312	Interface Relay	12A	12		√	√				×	×	×
KRI100024	820314	Interface Relay	12A	24		√	√				×	×	×
KRI100524	820315	Interface Relay	12A	24	√		√				×	×	×
KRI100615	820320	Interface Relay	12A	115	√		√				×	×	×
KRI100730	820321	Interface Relay	12A	230	√		√				×	×	×
KRI100012LT	820201	Interface Relay	12A	12		√	√				√	√	×
KRI100524LT	820206	Interface Relay	12A	24	√		√				√	√	×
KRI100615LT	820208	Interface Relay	12A	115	√		√				√	√	×
KRI200524	820333	Interface Relay	8A	24	√			√			×	×	×
KRI200615	820338	Interface Relay	8A	115	√			√			×	×	×
KRI1CO	820171	Relay Socket	16A	-	-	-	-	-	-	-	-	-	-
KRU1CO	820347	Relay Socket	16A	-	-	-	-	-	-	-	-	-	-
CLP/KRI	820350	Plastic Clips	-	-	-	-	-	-	-	-	-	-	-

KRB Series



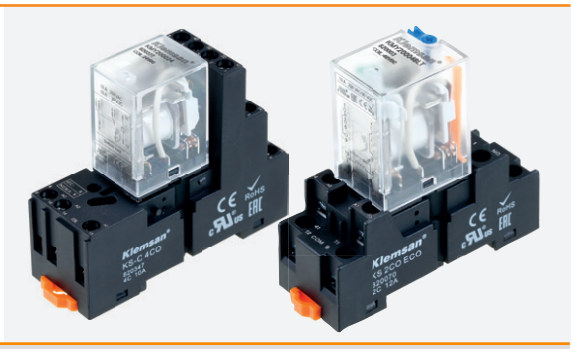
KRB SERIES

Product Name	Order Number	Description	Input Ampere	Input Voltage	VAC	VDC	1 Pole	2 Poles	3 Poles	4 Poles	LED	Test Button	Diode
KRB300012LT	820230	Industrial Relay	10A	12		√			√		√	√	×
KRB300024LT	820231	Industrial Relay	10A	24		√			√		√	√	×
KRB300048LT	820233	Industrial Relay	10A	48		√			√		√	√	×
KRB300110LT	820234	Industrial Relay	10A	110		√			√		√	√	×
KRB300524LT	820232	Industrial Relay	10A	24	√				√		√	√	×
KRB300615LT	820235	Industrial Relay	10A	115	√				√		√	√	×
KRB300730LT	820236	Industrial Relay	10A	230	√				√		√	√	×
KS-R 3CO	820220	Relay Socket	12A	-	-	-	-	-	-	-	-	-	-
CLM/KS-R	820221	Metal Clips	-	-	-	-	-	-	-	-	-	-	-
LB/KS-R	820222	ID Tag	-	-	-	-	-	-	-	-	-	-	-

Electronic Products

Industrial Relays

KMY Series



KMY SERIES													
Product Name	Order Number	Description	Input Ampere	Input Voltage	VAC	VDC	1 Pole	2 Poles	3 Poles	4 Poles	LED	Test Button	Diode
KMY200024	820377	Industrial Relay	10A	24		√		√			×	×	×
KMY200048	820381	Industrial Relay	10A	48		√		√			×	×	×
KMY200110	820383	Industrial Relay	10A	110		√		√			×	×	×
KMY200220	820385	Industrial Relay	10A	220		√		√			×	×	×
KMY200524	820378	Industrial Relay	10A	24	√			√			×	×	×
KMY200615	820384	Industrial Relay	10A	115	√			√			×	×	×
KMY200730	820386	Industrial Relay	10A	230	√			√			×	×	×
KMY200012LT	820001	Industrial Relay	10A	12		√		√			√	√	×
KMY200024LTD	820006	Industrial Relay	10A	24		√		√			√	√	√
KMY200048LT	820003	Industrial Relay	10A	48		√		√			√	√	×
KMY200110LT	820004	Industrial Relay	10A	110		√		√			√	√	×
KMY200524LT	820007	Industrial Relay	10A	24	√			√			√	√	×
KMY200615LT	820009	Industrial Relay	10A	115	√			√			√	√	×
KMY200730LT	820010	Industrial Relay	10A	230	√			√			√	√	×
KMY400024	820400	Industrial Relay	5A	24		√				√	×	×	×
KMY400048	820404	Industrial Relay	5A	48		√				√	×	×	×
KMY400110	820406	Industrial Relay	5A	110		√				√	×	×	×
KMY400524	820401	Industrial Relay	5A	24	√					√	×	×	×
KMY400615	820407	Industrial Relay	5A	115	√					√	×	×	×
KMY400730	820409	Industrial Relay	5A	230	√					√	×	×	×
KMY400024LTD	820016	Industrial Relay	5A	24		√				√	√	√	√
KMY400048LT	820013	Industrial Relay	5A	48		√				√	√	√	×
KMY400110LT	820014	Industrial Relay	5A	110		√				√	√	√	×
KMY400615LT	820019	Industrial Relay	5A	115	√					√	√	√	×
KMY400730LT	820020	Industrial Relay	5A	230	√					√	√	√	×
KS 2CO ECO	820070	Relay Socket	12A	-	-	-	-	-	-	-	-	-	-
KS 4CO ECO	820071	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
KS 4CO	820171	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
KS-C 4CO	820347	Relay Socket	10A	-	-	-	-	-	-	-	-	-	-
LB/KS-ECO	820350	ID Tag	-	-	-	-	-	-	-	-	-	-	-

Electronic Products

ETOR Series Ethernet Gateways





Type			ETOR-4	ETOR-2
Definiton			Ethernet gateway (TCP/IP - RS485)	Ethernet gateway (TCP/IP - RS232)
Order Number			601400	601401
Casing Width(mm)			17.5	17.5
Connections			Screw terminal (for supply and serial interface)	Screw terminal (for supply and serial interface)
General Information	Working Mode		Server or Client selectable (Bidirectional)	Server or Client selectable (Bidirectional)
	Conf iguration		Mini USB port or WEB interface	Mini USB port or WEB interface
	DHCP (Automatic IP Receive)		Available	Available
	ARP		Available	Available
	Ping blocking		Available	Available
	LED indicators		Available	Available
	Reset Function		Available	Available
	ESD protection		Available	Available
	Driver Supported		Windows® XP/Vista/7/8/8.1	Windows® XP/Vista/7/8/8.1
Ethernet Interface	Number of Ports		1	1
	Operation Modes		Modbus TCP, Modbus RTU over TCP, Modbus ASCII over TCP	Modbus TCP, Modbus RTU over TCP, Modbus ASCII over TCP
	Number of Remote Connections	Server mode	6	6
		Client mode	1	1
	Connector		RJ45	RJ45
	Data Transmission Rate		10/100 Base-TX	10/100 Base-TX
Serial Interface	Number of Ports		1	1
	Operation Modes		MODBUS RTU, MODBUS ASCII	MODBUS RTU, MODBUS ASCII
	Serial Standard		RS485	RS232
	Number of Serial Devices	Server mode	64	1
		Client mode	1	1
	Serial Communication Parameters	Baud Rate	300 to 115200 bps	300 to 115200 bps
		Data Bit	8	8
		Stop Bits	1 or 2	1 or 2
		Parity	None, Even, Odd	None, Even, Odd
Supply	Voltage	AC	18-50V	18-50V
		DC	18-50V	18-50V
	Consumption	AC	< 2.2VA	< 2.2VA
		DC	< 1.2W	< 1.2W
	Frequency		45-65Hz	45-65Hz
Galvanic Isolation	Supply- Ethernet port		1500VRMS, 2250VDC	1500VRMS, 2250VDC
	Supply- Serial port		1500VRMS, 2250VDC	1500VRMS, 2250VDC
	Serial port-Ethernet port		2500VRMS	2500VRMS
Mechanical Properties	Weight(g)		58	58
	Protection Class		IP20	IP20
	Assembly Type		Rail Mount	Rail Mount
	Permissible mounting position		Any	Any
Ambient Conditions	Operating Temperature		-10 to +60 °C	-10 to +60 °C
	Storage Temperature		-30 to +80 °C	-30 to +80 °C
	Relative Humidity (no condensation)		Max.95%	Max.95%

Electronic Products

GTOR Series GPRS Gateways





Type			GTOR-4	GTOR-4-3G
Definition			GPRS Gateway	3G GPRS Gateway
Order Number			601 440	601 445
Casing Width(mm)			17,5mm	17,5mm
Connections			Screw Terminal	Screw Terminal
Mounting			Rail Mount	Rail Mount
General Information		Configuration	Configurable via USB Micro USB Connection Interface	Configurable via USB, SMS, JSON RestAPI Micro USB Connection Interface
		IP Based Security	√	√
		LED Indicators	√	√
		Reset Function	√	√
		ESD Protection	√	√
		Supported Drivers	WindowsXP/Vista/7/8/10	Windows operating systems above Microsoft .NET Framework 3.5
GPRS Interface	SIM/USIM		3V/1.8V	-
	Quad Band		850/900/1800/1900MHz	-
	GPRS Multi Slot Class	Downlink	Class 12 85.6kbps	Class 12 85,6kbps
		Uplink	Class 12 85.6kbps	Class 12 85,6kbps
	GPRS Mobile Station		Class B	-
	Compliant to GSM Phase 2/2+		Class 4 (2W @850/900MHz) Class 1 (1W@1800/1900MHz)	-
Serial Interface	Number of Port		1	1
	Serial Connection Standard		RS485	RS485
	Number of Serial Connection Devices	Server Mode	32	64
		Client Mode	1	64
	Serial Connection Parameters	Baud Rate	Between 600 - 57600 bps	Between 300-115200
		Data Bit	8	8
		Stop Bit	1 or 2	1 or 2
		Parity	None, even, odd	None, even, odd
Supported Protocols			MODBUS TCP; MODBUS RTU via TCP; MODBUS ACII via TCP	MODBUS TCP; MODBUS RTU via TCP; MODBUS ACII via TCP
Voltage Supply	Voltage	DC	11-30VDC	11-30VAC
		AC	-	-
	Frequency		45-65Hz	45-65Hz
Isolation			1.5kV RMS	1.5kV RMS
Permissible Ambient Temperature	During Operation		-10°C..+60°C	-10°C..+60°C
	During Storage		-30°C..+80°C	-30°C..+80°C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)
Operating Frequency			45-65Hz	45-65Hz
Degree of Protection			IP20	IP20
Power Consumption	DC		1.2W	1.2W
	AC		-	-

UTOR Series USB Converter



UTOR series products,

- USB to RS485
- USB to RS232
- Provides TTL conversion from USB.
- UTOR is powered from the USB port without the need for an external power supply. Unlike most converters, UTOR has an isolation barrier that provides electrical isolation between your computer and serial devices. This creates an ideal environment where equipment and data are critical.



Type			UTOR-4i	UTOR-2i	UTOR-T5i	UTORT3i
Definition			Isolated RS485 to USB Converter	Isolated RS232 to USB Converter	Isolated TTL(5V) to USB Converter	Isolated TTL(3V) to USB Converter
Order Number			601 430	601 431	601 432	601 433
Interface	USB	Compatibility	USB 1.1 and USB 2.0	USB 1.1 and USB 2.1	USB 1.1 and USB 2.2	USB 1.1 and USB 2.3
		Connector	USB Type A	USB Type A	USB Type A	USB Type A
	Serial	Port Number	1	1	1	1
		Standard	RS485	RS232	TTL(5V)	TTL(3.3V)
		Connector	Removable terminal block with screw connection	Removable terminal block with screw connection	Removable terminal block with screw connection	Removable terminal block with screw connection
		Isolation	2500Vrms	2500Vrms	2500Vrms	2500Vrms
		Baudrate	300 .. 115200 bps	300 .. 115200 bps	300 .. 115200 bps	300 .. 115200 bps
		Stop Bits	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
		Data Bits	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8
		Parity	None, Even, Odd	None, Even, Odd	None, Even, Odd	None, Even, Odd
		Terminals	D+,D-	Tx, Rx	Tx, Rx	Tx, Rx
Voltage Supply			via USB port	via USB port	via USB port	via USB port
Permissible Ambient Temperature		During Operation	-20°C..+60°C	-20°C..+60°C	-20°C..+60°C	-20°C..+60°C
		During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of Protection			IP20	IP20	IP20	IP20
Accesorries 			Available	Available	Available	Available

Electronic Products

KUES Series Ethernet Switch

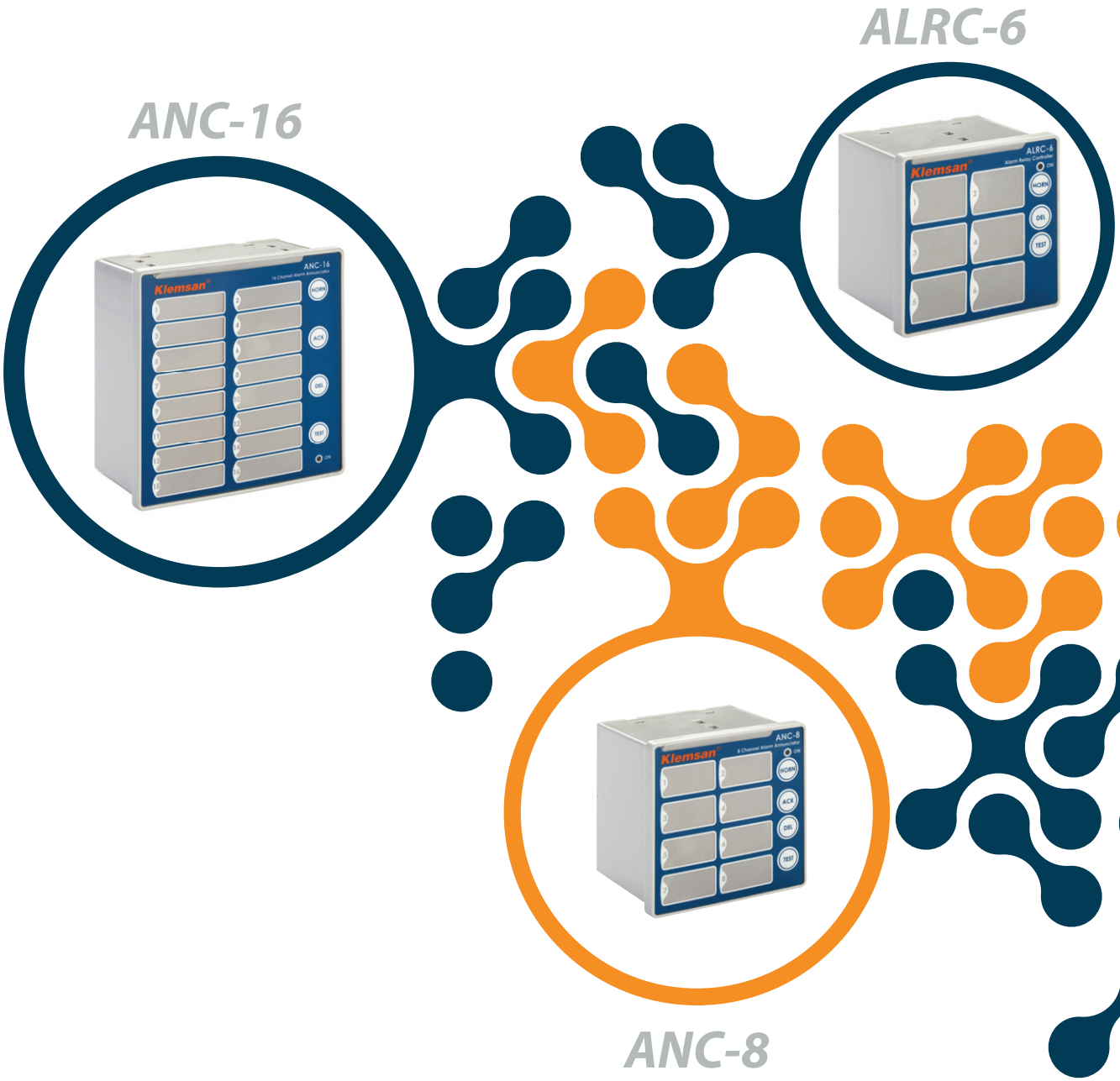
The Klemsan KUES series unmanaged industrial fast Ethernet switches are specifically designed for industrial use. The devices, housed in durable metal casings, feature 5-port, and 8-port 10/100 Base-TX connection points. They are built to withstand operating temperatures ranging from -40°C to 75°C and are additionally equipped with highly resistant components to withstand vibration and impact.



- 5 and 8 port options
- 10/100 Base-TX
- Operating temperature range of -40°C to 75°C
- Surge Protection
- ESD Protection
- IP30 Protection Class
- Durable Aluminum Casing

Product Name	Order No	Definition	5 ports	8 ports	-40°C / 70°C	Aluminum Enclosure	10/100 Base-TX	ESD Protection	12-48 V DC/DC Besleme
KUES-M5	608350	Unmanaged Ethernet Switch	√		√	√	√	√	√
KUES-M8	608351	Unmanaged Ethernet Switch		√	√	√	√	√	√

ANC & ALRC Series
Alarm Annunciators



Klemsan 50th ANNIVERSARY

ANC & ALRC Series Alarm Annunciators



Type			ALRC-6 (24VAC/DC)	ALRC-6 (48VAC/DC)	ALRC-6 (110VAC/DC)	ALRC-6 (220VAC/DC)	ANC-8 (24VAC/DC)
Definiton			Alarm relay controller	Alarm relay controller	Alarm relay controller	Alarm relay controller	Alarm annunciator
Order Number			604610	604611	604612	604613	604620
Input Signal	Voltage	AC	24V	48V	110V	220V	24V
		DC	24V	48V	110V	220V	24V
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Numbers		6	6	6	6	8
	Response Time		25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Output Contacts	Type of Output		Relay	Relay	Relay	Relay	Relay
	Number of contacts		8	8	8	8	2
	Type		1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
	Max switching AC		5A / 250 V AC /1250 VA	5A / 250 V AC /1250 VA	5A / 250 V AC /1250 VA	5A / 250 V AC /1250 VA	5A / 250 V AC /1250 VA
	Max switching DC		3A / 30 V DC / 90 W	3A / 30 V DC / 90 W	3A / 30 V DC / 90 W	3A / 30 V DC / 90 W	3A / 30 V DC / 90 W
	Mechanical Life Time		≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
	Electrical Life Time Operations (for NO side)		1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
Window	Numbers		6	6	6	6	8
	Colours		Red	Red	Red	Red	Red/Green selectable
	Sizes(mm)		30.5x21.6	30.5x21.6	30.5x21.6	30.5x21.6	30.5x15.5
	İluminating for Each Window		With 4 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds or 4 pcs. green leds
	Flash rate	Slow	-	-	-	-	60 Flash/Min
		Fast	90 Flash/Min	90 Flash/Min	90 Flash/Min	90 Flash/Min	180 Flash/Min
	Marking		Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Mod	ANC		-	-	-	-	Available
	LSK		-	-	-	-	-
Time Range(sec)			-	-	-	-	0, 2, 5, 10, 15, 20, 25, 30 adjustable
Inbuilt Push Buttons			3 nos.(Horn, Delete, Test)	3 nos.(Horn, Delete, Test)	3 nos.(Horn, Delete, Test)	3 nos.(Horn, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)
Buzzer			-	-	-	-	Avaliable
Communication	Protocol		-	-	-	-	Modbus-RTU
	Baud Rate		-	-	-	-	1200-57600
	Isolation		-	-	-	-	2500 Vrms
Real Time Event Recording			-	-	-	-	6080 logs
Battery Life			-	-	-	-	> 5years
Supply	Voltage	AC	24V ±%30	48V ±%30	110V ±%30	220V ±%30	110-300V ±%10
		DC	24V ±%30	48V ±%30	110V ±%30	220V ±%30	85-300V
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
Power consumption		DC	<3W	<3W	<1W	<5.5W	<3W
		AC	<10VA	<10VA	<4.3VA	<7.2VA	<5VA
Permissible ambient temperature	During operation		-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +70 °C
	During storage		-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-30 to +80 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.90% (no condensation)
Degree of protection			IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Dimensions (mm)	Bezel/Overall	Height(mm)	96	96	96	96	96.8
		Width(mm)	96	96	96	96	96.8
	Panel Cutout	Height(mm)	89.6	89.6	89.6	89.6	89.6
		Width(mm)	89.6	89.6	89.6	89.6	89.6
		Depth(mm)	66	66	66	66	65
Weight(gr)			274	274	274	274	280

ANC & ALRC Series Alarm Annunciators



ANC-8 (48VAC/DC)	ANC-8 (110VAC/DC)	ANC-8 (220VAC/DC)	ANC-16 (24VAC/DC)	ANC-16 (48VAC/DC)	ANC-16 (110VAC/DC)	ANC-16 (220VAC/DC)
Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator
604621	604622	604623	604630	604631	604632	604633
48V	110V	220V	24V	48V	110V	220V
48V	110V	220V	24V	48V	110V	220V
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
8	8	8	16	16	16	16
25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Relay	Relay	Relay	Relay	Relay	Relay	Relay
2	2	2	2	2	2	2
1 NO (vSPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA	5A / 250 VAC /1250 VA
3A / 30 VDC /90 W	3A / 30 VDC /90 W	3A / 30 VDC /90 W	3A / 30 VDC /90 W	3A / 30 VDC /90 W	3A / 30 VDC /90 W	3A / 30 VDC /90 W
≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
8	8	8	16	16	16	16
Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable
30.5x15.5	30.5x15.5	30.5x15.5	44,8x11,9	44,8x11,9	44,8x11,9	44,8x11,9
With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds	With 4 pcs. red leds or 4 pcs. green leds
60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min
180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min
Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Available	Available	Available	Available	Available	Available	Available
-	-	-	-	-	-	-
0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable
4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)
Avaliable	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable	Avaliable
Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU
1200-57600	1200-57600	1200-57600	1200-57600	1200-57600	1200-57600	1200-57600
2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms
6080 logs	6080 logs	6080 logs	6080 logs	6080 logs	6080 logs	6080 logs
> 5years	> 5years	> 5years	> 5years	> 5years	> 5years	> 5years
110-300V ±%10	110-300V ±%10	110-300V ±%10	85-300V	85-300V	85-300V	85-300V
110-300V ±%10	110-300V ±%10	110-300V ±%10	85-300V	85-300V	85-300V	85-300V
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
<3W	<3W	<3W	<5W	<5W	<5W	<5W
<5VA	<5VA	<5VA	<7.5VA	<7.5VA	<7.5VA	<7.5VA
-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
Max.90% (no condensation)	Max.90% (no condensation)	Max.90% (no condensation)	Max.90% (no condensation)	Max.90% (no condensation)	Max.90% (no condensation)	Max.90% (no condensation)
IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
96.8	96.8	96.8	144	144	144	144
96.8	96.8	96.8	144	144	144	144
89.6	89.6	89.6	137	137	137	137
89.6	89.6	89.6	137	137	137	137
65	65	65	58	58	58	58
280	280	280	517	517	517	517

ANC & ALRC Series Alarm Annunciators



Type			ANC-16 (24VAC/DC)	ANC-16 (48VAC/DC)	ANC-16 (110VAC/DC)	ANC-16 (220VAC/DC)	ANC-24 (24V AC/DC, 85-300V AC/DC p.s.)
Definiton			Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator
Order Number			604650	604651	604652	604653	604660
Input Signal	Voltage	AC	24V	48V	110V	220V	24V
		DC	24V	48V	110V	220V	24V
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
	Numbers		16	16	16	16	24
	Response Time		25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Output Contacts	Type of Output		Relay	Relay	Relay	Relay	Relay
	Number of contacts		2	2	2	2	2
	Type		1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
	Max ratings-AC		5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA
	Max ratings-DC		5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150Ww
	Mechanical Life Time		≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
	Electrical Life Time Operations (for NO side)		1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
Window	Numbers		16	16	16	16	24
	Colours		Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable
	Sizes(mm)		44,8x11,9	44,8x11,9	44,8x11,9	44,8x11,9	24,4x11,9
	Iluminating for Each Window		With 4 pcs. leds or 4 pcs. green led	With 4 pcs. leds or 4 pcs. green led	With 4 pcs. leds or 4 pcs. green led	With 4 pcs. leds or 4 pcs. green led	With 2pcs. leds or 2 pcs. green led
	Flash rate	Slow	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min
		Fast	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min
	Marking		Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Mod	ANC		Available	Available	Available	Available	Available
	LSK		Available	Available	Available	Available	Available
Time Range(sec)			0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable
Inbuilt Push Buttons			4 nos.(Horn, Ack, Delete, Test)	5 nos.(Horn, Ack, Delete, Test)	6 nos.(Horn, Ack, Delete, Test)	7 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)
Buzzer			Available	Available	Available	Available	Available
Communication	Protocol		Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU
	Baud Rate		1200-57600	1200-57600	1200-57600	1200-57600	1200-57600
	Isolation		2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms
Real Time Event Recording			6080 logs	6081 logs	6082 logs	6083 logs	6080 logs
Battery Life			> 5 years	> 5 years	> 5 years	> 5 years	>5 years
Supply	Voltage	AC	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	85-300V ±%10
		DC	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	85-300V ±%10
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
Power consumption		AC	< 10VA	< 10VA	< 10VA	< 10VA	< 10VA
		DC	<5W	<5W	<5W	<5W	< 5W
Permissible ambient temperature	During operation		-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
	During storage		-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Dimensions (mm)	Bezel/Overall	Height(mm)	144	144	144	144	144
		Width(mm)	144	144	144	144	144
	Panel Cutout	Height(mm)	137	137	137	137	137
		Width(mm)	137	137	137	137	137
		Depth(mm)	58	58	58	58	58
Weight(gr)			540	540	540	540	540

ANC & ALRC Series Alarm Annunciators



ANC-24 (48V AC/DC, 85-300V AC/ DC p.s.)	ANC-24 (110V AC/DC, 85-300V AC/ DC p.s.)	ANC-24 (220V AC/DC, 85-300V AC/ DC p.s.)	ANC-24 (24V AC/DC, 24-50VAC/DC p.s.)	ANC-24 (48V AC/DC, 24-50VAC/DC p.s.)	ANC-24 (110V AC/DC, 24-50VAC/DC p.s.)	ANC-24 (220V AC/DC, 24-50VAC/DC p.s.)
Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator
604661	604662	604663	604665	604666	604667	604668
48V	110V	220V	24V	48V	110V	220V
48V	110V	220V	24V	48V	110V	220V
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
24	24	24	24	24	24	24
25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Relay	Relay	Relay	Relay	Relay	Relay	Relay
2	2	2	2	2	2	2
1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA
5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W
≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
24	24	24	24	24	24	24
Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable
24,4x11,9	24,4x11,9	24,4x11,9	24,4x11,9	24,4x11,9	24,4x11,9	24,4x11,9
With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led
60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min
180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min
Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Available	Available	Available	Available	Available	Available	Available
Available	Available	Available	Available	Available	Available	Available
0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable
4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)	4 nos.(Horn, Ack, Delete, Test)
Available	Available	Available	Available	Available	Available	Available
Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU
1200-57600	1200-57600	1200-57600	1200-57600	1200-57600	1200-57600	1200-57600
2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms
6080 logs	6080 logs	6080 logs	6080 logs	6080 logs	6080 logs	6080 logs
>5 years	>5 years	>5 years	>5 years	>5 years	>5 years	>5 years
85-300V ±%10	85-300V ±%10	85-300V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10
85-300V ±%10	85-300V ±%10	85-300V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
< 10VA	< 10VA	< 10VA	< 10VA	< 10VA	< 10VA	< 10VA
< 5W	< 5W	< 5W	< 5W	< 5W	< 5W	< 5W
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
144	144	144	144	144	144	144
144	144	144	144	144	144	144
137	137	137	137	137	137	137
137	137	137	137	137	137	137
58	58	58	58	58	58	58
540	540	540	540	540	540	540

Electronic Products

ANC & ALRC Series Alarm Annunciators





Type			ANC-32 (24V AC/DC, 85-300V AC/DC p.s.)	ANC-32 (48V AC/DC, 85-300V vAC/ DC p.s.)	ANC-32 (110V AC/DC, 85-300V AC/ DC p.s.)
Definiton			Alarm annunciator	Alarm annunciator	Alarm annunciator
Order Number			604670	604671	604672
Input Signal	Voltage	AC	24V	48V	110V
		DC	24V	48V	110V
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz
	Numbers		32	32	32
	Response Time		25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Output Contacts	Type of Output		Relay	Relay	Relay
	Number of contacts		2	2	2
	Type		1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
	Max ratings-AC		5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA
	Max ratings-DC		5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W
	Mechanical Life Time		≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
	Electrical Life Time Operations (for NO side)		1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
Window	Numbers		32	32	32
	Colours		Red/Green selectable	Red/Green selectable	Red/Green selectable
	Sizes(mm)		15,3x11,9	15,3x11,9	15,3x11,9
	İluminating for Each Window		With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led
	Flash rate	Slow	60 Flash/Min	60 Flash/Min	60 Flash/Min
		Fast	180 Flash/Min	180 Flash/Min	180 Flash/Min
	Marking		Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Mod	ANC		Available	Available	Available
	LSK		Available	Available	Available
Time Range(sec)			0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable
Inbuilt Push Buttons			4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)
Buzzer			Available	Available	Available
Communication	Protocol		Modbus-RTU	Modbus-RTU	Modbus-RTU
	Baud Rate		1200-57600	1200-57600	1200-57600
	Isolation		2500 Vrms	2500 Vrms	2500 Vrms
Real Time Event Recording			6080 logs	6080 logs	6080 logs
Battery Life			> 5 years	> 5 years	> 5 years
Voltage Supply	Voltage	AC	85-300V ±%10	85-300V ±%10	85-300V ±%10
		DC	85-300V ±%10	85-300V ±%10	85-300V ±%10
	Frequency		45-65 Hz	45-65 Hz	45-65 Hz
Power consumption	DC		< 10VA	< 10VA	< 10VA
	AC		<5W	<5W	<5W
Permissible ambient temperature	During operation		-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
	During storage		-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Connections			Screw terminal	Screw terminal	Screw terminal
Dimensions (mm)	Bezel/Overall	Height(mm)	144	144	144
		Width(mm)	144	144	144
	Panel Cutout	Height(mm)	137	137	137
		Width(mm)	137	137	137
		Depth(mm)	58	58	58
Weight(gr)			540	540	540

Electronic Products

ANC & ALRC Series Alarm Annunciators







ANC-32 (220V AC/DC, 85-300V AC/ DC p.s.)	ANC-32 (24V AC/DC, 24-50VAC/DC p.s.)	ANC-32 (48V AC/DC, 24-50VAC/DC p.s.)	ANC-32 (110V AC/DC, 24-50VAC/DC p.s.)	ANC-32 (220V AC/DC, 24-50VAC/DC p.s.)
Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator	Alarm annunciator
604673	604675	604676	604677	604678
220V	24V	48V	110V	220V
220V	24V	48V	110V	220V
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
32	32	32	32	32
25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec	25 ± 10 msec
Relay	Relay	Relay	Relay	Relay
2	2	2	2	2
1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)	1 NO (SPST)
5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA	5A/277V; 1385 VA
5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W	5A/30VDC; 150W
≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations	≥ 10^8 operations
1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)	1×10^5(5A@250VAC)
32	32	32	32	32
Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable	Red/Green selectable
15,3x11,9	15,3x11,9	15,3x11,9	15,3x11,9	15,3x11,9
With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led	With 2pcs. leds or 2 pcs. green led
60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min	60 Flash/Min
180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min	180 Flash/Min
Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Available	Available	Available	Available	Available
Available	Available	Available	Available	Available
0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable	0, 2, 5, 10, 15, 20, 25, 30 adjustable
4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)	4 nos. (Horn, Ack, Delete, Test)
Available	Available	Available	Available	Available
Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU	Modbus-RTU
1200-57600	1200-57600	1200-57600	1200-57600	1200-57600
2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms	2500 Vrms
6080 logs	6080 logs	6080 logs	6080 logs	6080 logs
> 5 years	> 5 years	> 5 years	> 5 years	> 5 years
85-300V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10
85-300V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10	24-50V ±%10
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
< 10VA	< 10VA	< 10VA	< 10VA	< 10VA
<5W	<5W	<5W	<5W	<5W
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
144	144	144	144	144
144	144	144	144	144
137	137	137	137	137
137	137	137	137	137
58	58	58	58	58
540	540	540	540	540

LSK Series LSK Series Signal Indicator Modules



Type			LSK-4 (24VAC/DC)	LSK-4 (48VAC/DC)	LSK-4 (110VAC/DC)	LSK-4 (220VAC/DC)	LSK-6 (24VAC/DC)
Definiton			Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module
Order Number			583041	583042	583043	583045	583061
Input Signal	Voltage	AC	24V	48V	110V	220V	24V
		DC	24V	48V	110V	220V	24V
	Frequency		Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)
	Numbers		4	4	4	4	6
	Response Time:		Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms
Output Contacts			-	-	-	-	-
Window	Numbers		4	4	4	4	6
	Colours		Red	Red	Red	Red	Red
	Sizes(mm)		34,85 x 30	34,85 x 30	34,85 x 30	34,85 x 30	34,85 x 18,70
	Iluminating for each window		With 9 pcs. red leds	With 9 pcs. red leds	With 9 pcs. red leds	With 9 pcs. red leds	With 6 pcs. red leds
	Marking		Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
Time Range(sec)			-	-	-	-	-
Inbuilt Push Buttons			-	-	-	-	-
Buzzer			-	-	-	-	-
Communication			-	-	-	-	-
Real Time Event Recording			-	-	-	-	-
Battery Life			-	-	-	-	-
Permissible ambient temperature	During operation		-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
	During storage		-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Dimensions (mm)	Bezel/Overall	Height(mm)	96	96	96	96	96
		Width(mm)	96	96	96	96	96
	Panel Cutout	Height(mm)	89.5	89.5	89.5	89.5	89.5
		Width(mm)	89.5	89.5	89.5	89.5	89.5
		Depth(mm)	66	66	66	66	66
Weight(gr)			218	218	218	218	220

LSK Series LSK Series Signal Indicator Modules



LSK-6 (48VAC/DC)	LSK-6 (110VAC/DC)	LSK-6 (220VAC/DC)	LSK-9 (24VAC/DC)	LSK-9 (48VAC/DC)	LSK-9 (110VAC/DC)	LSK-9 (220VAC/DC)
Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module	Signal Indicator Module
583062	583063	583065	583091	583092	583093	583095
48V	110V	220V	24V	48V	110V	220V
48V	110V	220V	24V	48V	110V	220V
Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)	Min. 45Hz (for AC signal input)
6	6	6	9	9	9	9
Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms	Max. 10ms
-	-	-	-	-	-	-
6	6	6	9	9	9	9
Red	Red	Red	Red	Red	Red	Red
34,85 x 18,70	34,85 x 18,70	34,85 x 18,70	20,9 x 18,7	20,9 x 18,7	20,9 x 18,7	20,9 x 18,7
With 6 pcs. red leds	With 6 pcs. red leds	With 6 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds	With 4 pcs. red leds
Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.	Laser printed onto standard tracing paper, using templates provided by Klemsan Inc.
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C	-30 to +80 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)	IP50(front), IP20(back) (IP66 with accessory)
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
96	96	96	96	96	96	96
96	96	96	96	96	96	96
89.5	89.5	89.5	89.5	89.5	89.5	89.5
89.5	89.5	89.5	89.5	89.5	89.5	89.5
66	66	66	66	66	66	66
220	220	220	222	222	222	222

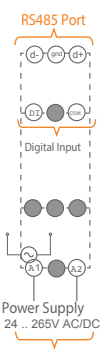
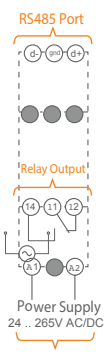
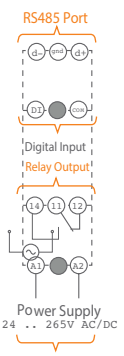
Electronic Products

EASION Series Remote I/O Modules







Type			EASION-1S-1A111	EASION-1S-A1111	EASION-1S-AA111
Definition			Remote I/O Module	Remote I/O Module	Remote I/O Module
Order Number			260 001	260 002	260 003
Casing Width(mm)			17,5	17,5	17,5
Connections			Screw terminal	Screw terminal	Screw terminal
Inputs and Outputs	Relay Outputs	Number of outputs	-	1 pcs.	1 pcs.
		Type	-	NO (SPST)	NO (SPST)
		Max. Switching Current	-	10 A	10 A
		Max. Switching Voltage	-	250 VAC	250 VAC
	Digital Inputs	Max. Switching Power	-	1250VA	1250VA
		Number of inputs	1 pcs.	-	1 pcs.
		Activation type	Active Low, Active High	-	Active Low, Active High
		Min. delay time	10msec	-	10msec
		Input Voltage	24..265V AC/DC	-	24..265V AC/DC
		Frequency	45-65Hz		45-65Hz
		Isolation Level	5kVRMS	-	5kVRMS
		DI Counter	Available	-	Available
Supply	Voltage	AC	85..265V	85..265V	85..265V
		DC	85..265V	85..265V	85..265V
Isolation			2,5kVRMS	1,5kVRMS	2,5kVRMS
Power Consumption	AC		< 2,2 VA	< 2,2 VA	< 2,2 VA
	DC		< 1 W	< 1 W	< 1 W
Connections	Power input		A1,A2	A1,A2	A1,A2
	Input Connection		DI, COM+E27:G27E27E27:G31	DI, COM	DI, COM
	Output Connection		11(COM),14(NO),12(NC)	11(COM),14(NO),12(NC)	11(COM),14(NO),12(NC)
Communication		Protocol	Modbus RTU	Modbus RTU	Modbus RTU
		Baud rate	1200 -115200 bps adjustable	1200 -115200 bps adjustable	1200 -115200 bps adjustable
		Stop bit	1	1	1
		Address	1-247	1-247	1-247
		Isolation	2750V RMS	2750V RMS	2750V RMS
Permissible Ambient Temperature	During Operation		-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
	During Storage		-30°C..+80°C	-30°C..+80°C	-30°C..+80°C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of Protection			IP20	IP20	IP20
Weight(gr)			44	52	54
Mounting Type			Rail Mounted	Rail Mounted	Rail Mounted
Permissible mounting position			any	any	any
Schematics					

Electronic & Energy Management Products

SENSOR Series





Type				EASION 2M-1Z111-D	EASION 2M-1Z111	EASION 2M-11Z11
Definition				Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
Order Number				260 010	260 011	260 012
Casing Width(mm)				(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Connections				Screw terminal	Screw terminal	Screw terminal
Mounting Type				Rail Mounted	Rail Mounted	Rail Mounted
Inputs	Dry Contact		Number of inputs	24	-	-
	Wet Contact		Number of inputs	-	24	-
			Input Voltage	-	12 - 230 V AC/DC	
			Input Current		1 mA at 5V AC/DC	
				-	2,5 mA at 24V AC/DC	-
					4 mA at 230V AC/DC	
			Frequency	-	45-65 Hz	-
			Insulation Level	-	5000Vrms optical insulation	-
Outputs	Digital Output (Sink)		Number of outputs	-	-	24
			Switching Current / Voltage			50mA / 5-30V DC
			Response Time	-	-	<18µs
	Relay Output		Number of outputs	-	-	-
			Max. Switching Current / Voltage / Power			-
			Mechanical Life Time	-	-	-
			Electrical Life Time	-	-	-
			Operate Time	-	-	-
Supply	Voltage		AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
			DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
Frequency				45-65 Hz	45-65 Hz	45-65 Hz
Power Consumption	AC			<13VA	<13VA	<13VA
	DC			<7W	<7W	<7W
Connections	Power input			Un	Un	Un
	Input Connection			DIx,COM	DIx+, DIx-	-
	Output Connection			-	-	DOx+,DOx-
Communication	Serial Communication	RS485 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		Micro USB (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		RS232 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		HTTP REST	Communication Interface	-	-	-
			Baud rate	-	-	-
	TCP/IP	MODBUS TCP	Communication Interface	-	-	-
		MQTT, HTTP REST	Communication Interface	-	-	-
Permissible Ambient Temperature			During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
			During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity				Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

SENSOR Series



Type				EASION 2M-Z1111	EASION 2M-LL111-D	EASION 2M-1LL11
Definition				Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
Order Number				260 013	260 014	260 015
Casing Width(mm)				(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Connections				Screw terminal	Screw terminal	Screw terminal
Mounting Type				Rail Mounted	Rail Mounted	Rail Mounted
Inputs	Dry Contact		Number of inputs	-	12	-
	Wet Contact		Number of inputs	-	-	12
			Input Voltage			12 - 230 V AC/DC
			Input Current			1 mA at 5V AC/DC
				-	-	2,5 mA at 24V AC/DC
						4 mA at 230V AC/DC
			Frequency	-	-	45-65 Hz
			Insulation Level	-	-	5000Vrms optical insulation
Outputs	Digital Output (Sink)		Number of outputs	-	-	12
			Switching Current / Voltage	-	-	50mA / 5-30V DC
			Response Time	-	-	<18µs
	Relay Output		Number of outputs	24	12	-
			Max. Switching Current / Voltage / Power	5A / 250VAC /1250 VA	5A / 250VAC /1250 VA	-
			Mechanical Life Time	5x10^6	5x10^6	-
			Electrical Life Time	1,2x10^6	1,2x10^6	-
			Operate Time	10 ms	10 ms	-
Supply	Voltage		AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
			DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
Frequency				45-65 Hz	45-65 Hz	45-65 Hz
Power Consumption	AC			<13VA	<13VA	<13VA
	DC			<7W	<7W	<7W
Connections	Power input			Un	Un	Un
	Input Connection			-	DIx,COM	DIx+, DIx-
	Output Connection			RLYx, Cx	RLYx, Cx	DOx+,DOx-
Communication	Serial Communication	RS485 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		Micro USB (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		RS232 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		HTTP REST	Communication Interface	-	-	-
			Baud rate	-	-	-
	TCP/IP	MODBUS TCP	Communication Interface	-	-	-
		MQTT, HTTP REST	Communication Interface	-	-	-
Permissible Ambient Temperature			During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
			During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity				Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series







EASION 2M-1LL11-D	EASION 2M-LL111	EASION 3M-1Z111-D	EASION 3M-1Z111	EASION 3M-11Z11
Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
260 016	260 017	260 100	260 101	260 102
(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted
12	-	24	-	-
-	12	-	24	-
	12 - 230 V AC/DC	-	12 - 230 V AC/DC	
	1 mA at 5V AC/DC		1 mA at 5V AC/DC	
-	2,5 mA at 24V AC/DC	-	2,5 mA at 24V AC/DC	-
	4 mA at 230V AC/DC		4 mA at 230V AC/DC	
-	45-65 Hz	-	45-65 Hz	-
-	5000Vrms optical insulation	-	5000Vrms optical insulation	-
12	-	-	-	24
50mA / 5-30V DC	-	-	-	50mA / 5-30V DC
<18µs	-	-	-	<18µs
-	12	-	-	-
-	5A / 250VAC /1250 VA	-	-	-
-	5x10^6	-	-	-
-	1,2x10^6	-	-	-
-	10 ms	-	-	-
24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
<13VA	<13VA	<13VA	<13VA	<13VA
<7W	<7W	<7W	<7W	<7W
Un	Un	Un	Un	Un
DIx,COM	DIx+, DIx-	DIx,COM	DIx+, DIx-	-
DOx+,DOx-	RLYx, Cx	-	-	DOx+,DOx-
1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200
1,2	1,2	1,2	1,2	1,2
1 ..247	1 ..247	1 ..247	1 ..247	1 ..247
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200
1,2	1,2	1,2	1,2	1,2
1 ..247	1 ..247	1 ..247	1 ..247	1 ..247
-	-	-	-	-
-	-	-	-	-
-	-	√	√	√
-	-	-	-	-
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series



Type				EASION 3M-Z1111	EASION 3M-LL111-D	EASION 3M-1LL11
Definition				Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
Order Number				260 103	260 104	260 105
Casing Width(mm)				(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Connections				Screw terminal	Screw terminal	Screw terminal
Mounting Type				Rail Mounted	Rail Mounted	Rail Mounted
Inputs	Dry Contact		Number of inputs	-	12	-
	Wet Contact		Number of inputs	-	-	12
			Input Voltage			12 - 230 V AC/DC
			Input Current			1 mA at 5V AC/DC
				-	-	2,5 mA at 24V AC/DC
						4 mA at 230V AC/DC
			Frequency	-	-	45-65 Hz
			Insulation Level	-	-	5000Vrms optical insulation
Outputs	Digital Output (Sink)		Number of outputs	-	-	12
			Switching Current / Voltage	-	-	50mA / 5-30V DC
			Response Time	-	-	<18µs
	Relay Output		Number of outputs	24	12	-
			Max. Switching Current / Voltage / Power	5A / 250VAC /1250 VA	5A / 250VAC /1250 VA	-
			Mechanical Life Time	5x10^6	5x10^6	-
			Electrical Life Time	1,2x10^6	1,2x10^6	-
			Operate Time	10 ms	10 ms	-
Supply	Voltage		AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
			DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
Frequency				45-65 Hz	45-65 Hz	45-65 Hz
Power Consumption	AC			<13VA	<13VA	<13VA
	DC			<7W	<7W	<7W
Connections	Power input			Un	Un	Un
	Input Connection			-	DIx,COM	DIx+, DIx-
	Output Connection			RLYx, Cx	RLYx, Cx	DOx+,DOx-
Communication	Serial Communication	RS485 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		Micro USB (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		RS232 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		HTTP REST	Communication Interface	-	-	-
			Baud rate	-	-	-
	TCP/IP	MODBUS TCP	Communication Interface	√	√	√
		MQTT, HTTP REST	Communication Interface	-	-	-
Permissible Ambient Temperature			During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
			During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity				Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series







EASION 3M-1LL11-D	EASION 3M-LL111	EASION 4M-1Z111-D	EASION 4M-1Z111	EASION 4M-11Z11
Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
260 106	260 107	260 200	260 201	260 202
(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted
12	-	24	-	-
-	12	-	24	-
	12 - 230 V AC/DC	-	12 - 230 V AC/DC	
	1 mA at 5V AC/DC		1 mA at 5V AC/DC	
-	2,5 mA at 24V AC/DC	-	2,5 mA at 24V AC/DC	-
	4 mA at 230V AC/DC		4 mA at 230V AC/DC	
-	45-65 Hz	-	45-65 Hz	-
-	5000Vrms optical insulation	-	5000Vrms optical insulation	-
12	-	-	-	24
50mA / 5-30V DC	-	-	-	50mA / 5-30V DC
<18µs	-	-	-	<18µs
-	12	-	-	-
-	5A / 250VAC /1250 VA	-	-	-
-	5x10^6	-	-	-
-	1,2x10^6	-	-	-
-	10 ms	-	-	-
24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
<13VA	<13VA	<13VA	<13VA	<13VA
<7W	<7W	<7W	<7W	<7W
Un	Un	Un	Un	Un
DIx,COM	DIx+, DIx-	DIx,COM	DIx+, DIx-	-
DOx+,DOx-	RLYx, Cx	-	-	DOx+,DOx-
1200 .. 115200	1200 .. 115200	-	-	-
1,2	1,2	-	-	-
1 ..247	1 ..247	-	-	-
-	-	1200 .. 115200	1200 .. 115200	1200 .. 115200
-	-	1,2	1,2	1,2
-	-	1 ..247	1 ..247	1 ..247
1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200
1,2	1,2	1,2	1,2	1,2
1 ..247	1 ..247	1 ..247	1 ..247	1 ..247
-	-	-	-	-
-	-	-	-	-
√	√	√	√	√
-	-	-	-	-
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series



Type				EASION 4M-Z1111	EASION 4M-LL111-D	EASION 4M-1LL11
Definition				Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
Order Number				260 203	260 204	260 205
Casing Width(mm)				(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Connections				Screw terminal	Screw terminal	Screw terminal
Mounting Type				Rail Mounted	Rail Mounted	Rail Mounted
Inputs	Dry Contact		Number of inputs	-	12	-
	Wet Contact		Number of inputs	-	-	12
			Input Voltage			12 - 230 V AC/DC
			Input Current			1 mA at 5V AC/DC
				-	-	2,5 mA at 24V AC/DC
						4 mA at 230V AC/DC
			Frequency	-	-	45-65 Hz
			Insulation Level	-	-	5000Vrms optical insulation
Outputs	Digital Output (Sink)		Number of outputs	-	-	12
			Switching Current / Voltage	-	-	50mA / 5-30V DC
			Response Time	-	-	<18µs
	Relay Output		Number of outputs	24	12	-
			Max. Switching Current / Voltage / Power	5A / 250VAC /1250 VA	5A / 250VAC /1250 VA	-
			Mechanical Life Time	5x10^6	5x10^6	-
			Electrical Life Time	1,2x10^6	1,2x10^6	-
			Operate Time	10 ms	10 ms	-
Supply	Voltage		AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
			DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
Frequency				45-65 Hz	45-65 Hz	45-65 Hz
Power Consumption	AC			<13VA	<13VA	<13VA
	DC			<7W	<7W	<7W
Connections	Power input			Un	Un	Un
	Input Connection			-	DIx,COM	DIx+, DIx-
	Output Connection			RLYx, Cx	RLYx, Cx	DOx+,DOx-
Communication	Serial Communication	RS485 (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		Micro USB (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		RS232 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		HTTP REST	Communication Interface	-	-	-
			Baud rate	-	-	-
	TCP/IP	MODBUS TCP	Communication Interface	√	√	√
		MQTT, HTTP REST	Communication Interface	-	-	-
Permissible Ambient Temperature			During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
			During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity				Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series



EASION 4M-1LL11-D	EASION 4M-LL111	EASION 5M-1Z111-D	EASION 5M-1Z111	EASION 5M-11Z11
Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
260 206	260 207	260 300	260 301	260 302
(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted	Rail Mounted
12	-	24	-	-
-	12	-	24	-
	12 - 230 V AC/DC	-	12 - 230 V AC/DC	
	1 mA at 5V AC/DC		1 mA at 5V AC/DC	
-	2,5 mA at 24V AC/DC	-	2,5 mA at 24V AC/DC	-
	4 mA at 230V AC/DC		4 mA at 230V AC/DC	
-	45-65 Hz	-	45-65 Hz	-
-	5000Vrms optical insulation	-	5000Vrms optical insulation	-
12	-	-	-	24
50mA / 5-30V DC	-	-	-	50mA / 5-30V DC
<18µs	-	-	-	<18µs
-	12	-	-	-
-	5A / 250VAC /1250 VA	-	-	-
-	5x10^6	-	-	-
-	1,2x10^6	-	-	-
-	10 ms	-	-	-
24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
<13VA	<13VA	<13VA	<13VA	<13VA
<7W	<7W	<7W	<7W	<7W
Un	Un	Un	Un	Un
DIx,COM	DIx+, DIx-	DIx,COM	DIx+, DIx-	-
DOx+,DOx-	RLYx, Cx	-	-	DOx+,DOx-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
1200 .. 115200	1200 .. 115200	-	-	-
1,2	1,2	-	-	-
1 ..247	1 ..247	-	-	-
1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200	1200 .. 115200
1,2	1,2	1,2	1,2	1,2
1 ..247	1 ..247	1 ..247	1 ..247	1 ..247
-	-	Micro USB	Micro USB	Micro USB
-	-	38400	38400	38400
√	√	√	√	√
-	-	Ethernet 10/100 Base - TX	Ethernet 10/100 Base - TX	Ethernet 10/100 Base - TX
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series



Type				EASION 5M-Z1111	EASION 5M-LL111-D	EASION 5M-1LL11
Definition				Multi-channel Remote I/O	Multi-channel Remote I/O	Multi-channel Remote I/O
Order Number				260 303	260 304	260 305
Casing Width(mm)				(95mmx160mm)x58mm	(95mmx160mm)x58mm	(95mmx160mm)x58mm
Connections				Screw terminal	Screw terminal	Screw terminal
Mounting Type				Rail Mounted	Rail Mounted	Rail Mounted
Inputs	Dry Contact		Number of inputs	-	12	-
	Wet Contact		Number of inputs	-	-	12
			Input Voltage			12 - 230 V AC/DC
			Input Current			1 mA at 5V AC/DC
				-	-	2,5 mA at 24V AC/DC
						4 mA at 230V AC/DC
			Frequency	-	-	45-65 Hz
			Insulation Level	-	-	5000Vrms optical insulation
Outputs	Digital Output (Sink)		Number of outputs	-	-	12
			Switching Current / Voltage	-	-	50mA / 5-30V DC
			Response Time	-	-	<18µs
	Relay Output		Number of outputs	24	12	-
			Max. Switching Current / Voltage / Power	5A / 250VAC /1250 VA	5A / 250VAC /1250 VA	-
			Mechanical Life Time	5x10^6	5x10^6	-
			Electrical Life Time	1,2x10^6	1,2x10^6	-
			Operate Time	10 ms	10 ms	-
Supply	Voltage		AC	24 – 50 V AC	24 – 50 V AC	24 – 50 V AC
			DC	12 – 50 V DC	12 – 50 V DC	12 – 50 V DC
Frequency				45-65 Hz	45-65 Hz	45-65 Hz
Power Consumption	AC			<13VA	<13VA	<13VA
	DC			<7W	<7W	<7W
Connections	Power input			Un	Un	Un
	Input Connection			-	DIx,COM	DIx+, DIx-
	Output Connection			RLYx, Cx	RLYx, Cx	DOx+,DOx-
Communication	Serial Communication	RS485 (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		Micro USB (MODBUS RTU)	Baud rate	-	-	-
			Stop bit	-	-	-
			Slave ID	-	-	-
		RS232 (MODBUS RTU)	Baud rate	1200 .. 115200	1200 .. 115200	1200 .. 115200
			Stop bit	1,2	1,2	1,2
			Slave ID	1 ..247	1 ..247	1 ..247
		HTTP REST	Communication Interface	Micro USB	Micro USB	Micro USB
			Baud rate	38400	38400	38400
	TCP/IP	MODBUS TCP	Communication Interface	√	√	√
		MQTT, HTTP REST	Communication Interface	Ethernet 10/100 Base - TX	Ethernet 10/100 Base - TX	Ethernet 10/100 Base - TX
Permissible Ambient Temperature			During Operation	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
			During Storage	-20°C..+70°C	-20°C..+70°C	-20°C..+70°C
Relative Humidity				Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)

Electronic & Energy Management Products

SENSOR Series





EASION 5M-1LL11-D	EASION 5M-LL111
Multi-channel Remote I/O	Multi-channel Remote I/O
260 306	260 307
(95mmx160mm)x58mm	(95mmx160mm)x58mm
Screw terminal	Screw terminal
Rail Mounted	Rail Mounted
12	-
-	12
	12 - 230 V AC/DC
	1 mA at 5V AC/DC
-	2,5 mA at 24V AC/DC
	4 mA at 230V AC/DC
-	45-65 Hz
-	5000Vrms optical insulation
12	-
50mA / 5-30V DC	-
<18µs	-
-	12
-	5A / 250VAC /1250 VA
-	5x10^6
-	1,2x10^6
-	10 ms
24 – 50 V AC	24 – 50 V AC
12 – 50 V DC	12 – 50 V DC
45-65 Hz	45-65 Hz
<13VA	<13VA
<7W	<7W
Un	Un
DIx,COM	DIx+, DIx-
DOx+,DOx-	RLYx, Cx
-	-
-	-
-	-
-	-
-	-
-	-
1200 .. 115200	1200 .. 115200
1,2	1,2
1 ..247	1 ..247
Micro USB	Micro USB
38400	38400
√	√
Ethernet 10/100 Base - TX	Ethernet 10/100 Base - TX
-20°C..+70°C	-20°C..+70°C
-20°C..+70°C	-20°C..+70°C
Max.95% (no condensation)	Max.95% (no condensation)

ASCON Series Analog Signal Converters





Type			ASCON 311	ASCON 321
Definiton			Configurable Signal Converter	Configurable PT100 Converter
Order Number			602300	602310
Casing Width(mm)			17,5	17,5
Connections			Screw terminal	Screw terminal
Input	Sensor Type		DC Current and Voltage(mV,V,mA)	PT100 (2,3,4 wire)
	PT100 connection Type		-	2, 3 or 4 wire
	Measuring Range		0…60mV -6…60mV 0…5mA 0…100mV -100…100mV 0…10mA 0…250mV -250…250mV 0…20mA 0…500mV -500…500mV -5…5mA 0…1V -1…1V -10…10mA 0…2V -2…2V -20…20mA 0…2,5V -2,5…2,5V 4…20mA 0…5V -5…5V 0…24mA 0…10V -10…10V 4…24mA 0…20V -20…20V 0…12mA	-150°C…800 °C Configurable
	Sensor excitation current		-	<0.5mA
	Maximum input signal		30V DC or 50mA DC	-
Output	Output Signal		0…5V 0…20mA 5…0V 20…0mA 0…10V 4…20mA 10…0V 20…4mA -5…5V -20…20mA	0…5V 0…20mA 5…0V 20…0mA 0…10V 4…20mA 10…0V 20…4mA -5…5V 20…20mA
	Measurement Error		< %0.2 Full scale	< %0.2 Full scale
	Max. Load		≤ 600Ω(Current Output) ≥10kΩ (Voltage Output)	≤ 600Ω(Current Output) ≥10kΩ (Voltage Output)
	Max. Output Signal		12V (Voltage Output) 24mV (Current Output)	12V (Voltage Output) 24mV (Current output)
Supply	Voltage	DC	11-30V DC	11-30V DC
Isolation			3 way-1,5kV RMS	3 way-1,5kV RMS
Power Consumptionr			≤ 25mA @ 24V (ILOAD =0mA, I =0mA)	≤ 25mA @ 24V (ILOAD =0mA, I =0mA)
Temperature coeff icient			≤ %0.004/°C	≤ %0.02/°C

ASCON Series Analog Signal Converters





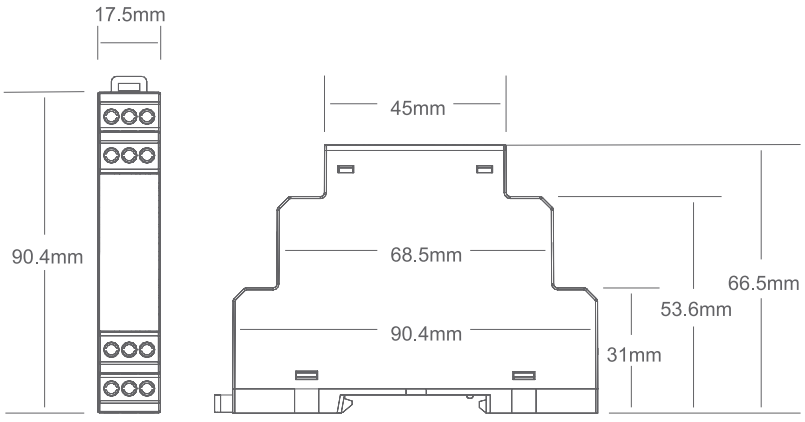


ASCON 331	ASCON 341	ASCON 352
Configurable Thermocouple Converter	Configurable Frequency Converter	Signal-Temperature Converter with RS485
602320	602 330	602400
17,5	17,5	17,5
Screw terminal	Screw terminal	Screw terminal
Thermocouple(J,K,E,R,S)	2-3 wire PNP/NPN, Namur, Push-Pull, Dry contact	mV,V,mA PT100(2,3,4wire) Thermocouple(J,K,E,R,S)
-	-	2,, 3 or 4 wire
J: -200°C . . . 1200°C configurable K: -200°C . . . 1350°C configurable E: -200°C . . . 950°C configurable R: -50°C . . . 1750°C configurable S: -50°C . . . 1750°C configurable	0 .. 100 kHz configurable via knobs 0...150 kHz can be learned from input signal	Signal -30 signal combinations; 4-20mA,0-10V,etc. PT100 -150°C…800 °C Configurable Thermocouple J: -200°C . . . 1200°C configurable K: -200°C . . . 1350°C configurable E: -200°C . . . 950°C configurable R: -50°C . . . 1750°C configurable S: -50°C . . . 1750°C configurable
-	-	<0.5mA
-	Namur: 1.7 mA NPN: 6.5 V PNP: 6,7 V	30V DC or 50mA DC
0…5V 0…20mA 5…0V 20…0mA 0…10V 4…20mA 10…0V 20…4mA -5…5V -20…20mA	0 .. 5V, 0 .. 10V, -10 .. 10V, 0 .. 20mA, 4 .. 20mA, -20 .. 20mA	RS485
3.6mA .. 23.6mA	< %0.2 Full scale	3.6mA .. 23.6mA
< %0.2 Full scale	≤ 600Ω(Current Output) ≥10kΩ (Voltage Output)	< %0.1 Full scale
≤ 600Ω(Current Output) ≥10kΩ (Voltage Output)	12V (Voltage output), 24mA (Current output)	-
11-30V DC	18 .. 30V DC	11-30V DC
3 way-1,5kV RMS	1,5kVRMS	3 way-1,5kV RMS
≤ 25mA @ 24V (ILOAD =0mA, I =0mA)	≤ 30mA @ 24V (I LOAD AUX =0mA, I =0mA)	≤ 15mA @ 24V (ILOAD =0mA)
≤ %0.004/°C	≤ %0.004/°C	≤ %0.02/°C

ASCON Series Analog Signal Converters

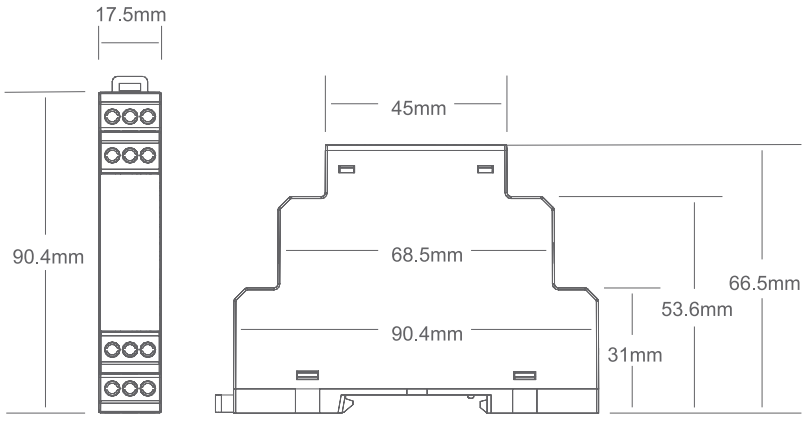
Type		ASCON 311	ASCON 321
Response Time		< 150ms	< 150ms
Sensor failure indication		Failure Status: The situation of input signal is at least 10 % different than adjusted value LED Indication: Err: ⌐¬	Failure Status: The situation of input signal is at least 10 % different than adjusted value LED Indication: Err: ⌐¬
Protection		Over voltage and reverse polarity protection	Over voltage and reverse polarity protection
Connections	Power Input	DC+,DC-	DC+,DC-
	Input Connection	mV Input : 2(+), 3(-) V Input : 4(+), 1(-) mA Input : 3(+), 1(-)	P1+ and P1- (2 wire connection) P1+ and P1-,P2- (3 wire connection) P1+,P2- and P1+,P2- (4 wire conncetion)
	Output Connection	V,Gnd (Voltage Output) I,Gnd (Current Output)	V,Gnd (Voltage Output) I,Gnd (Current Output)
Communication	Protocol	-	-
	Serial Connection	-	-
	Baud Rate	-	-
	Parity	-	-
Permissible ambient temperature	During Operation	-20 to +60 °C	-20 to +60 °C
	During Storage	-40 to +75 °C	-40 to +75 °C
Relative Humidity		Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection		IP20	IP20
Weight(gr)		42	42
Mounting Type		Rail mounted	Rail mounted
Permissible mounting position		any	any

Dimensional Drawings



ASCON Series Analog Signal Converters

ASCON 331	ASCON 341	ASCON 352
< 150ms	0 - 20 Hz: < 1050 msec 20 - 100 Hz: < 550 msec 100 Hz: < 300msec	<10ms
Failure Status: The situation of input signal is at least 10 % different than adjusted value LED Indication: Err: ⌐¬	M1 M2 leds indication combinations	Failure Status: Voltage output mode: short circuit LED Indication: Err: ⌐¬
Over voltage and reverse polarity protection	Over voltage and reverse polarity protection	Over voltage and reverse polarity protection
DC+,DC-	DC+,DC-	DC+,DC-
TC1+ and TC1-	PNP : 4(+), 2(-), Sensor Supply : 1 or external NPN : 3(+), 2(-), Sensor Supply : 1 or external Namur : 3(+), 2(-) Push Pull : 4(+), 2(-) Dry Contact : 4(+), Sensor Supply : 1	Signal mV Input : 2(+), 3(-) mA Input : 3(+), 1(-) V Input : 4(+), 1(-) PT100 4 and 3 (2 wire connection) 4 and 2,3(3wire connection) 1,4and2,3(4wireconncetion) Thermocouple TC connection: 4,5
V,Gnd (Voltage Output) I,Gnd (Current Output)	V,Gnd (Voltage Output) I,Gnd (Current Output)	D+, Gnd, D-
-	-	MODBUS RTU
-	-	RS485
-	-	1200 9600 57600 2400 19200 4800 38400(Default)
-	-	None(Default) Even Odd
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP20	IP20	IP20
42	42	42
Rail mounted	Rail Mounted	Rail mounted
any	any	any



VT - CT Series Voltage & Current Transducers





Type			VT3-AC	VT3-AC-24	VT3-ACDC-24
Definiton			True RMS Voltage Transducer	True RMS Voltage Transducer	True RMS Voltage Transducer
Order Number			600101	600103	600106
Casing Width(mm)			36	36	36
Connections			Screw terminal	Screw terminal	Screw terminal
Input Signal	Conf igurable Voltage range	0-24 VAC	Avaliable	Avaliable	Avaliable
		0-36 VAC	Avaliable	Avaliable	-
		0-54 VAC	Avaliable	Avaliable	Avaliable
		0-80 VAC	Avaliable	Avaliable	-
		0-120 VAC	Avaliable	Avaliable	Avaliable
		0-170 VAC	Avaliable	Avaliable	-
		0-250 VAC	Avaliable	Avaliable	Avaliable
		0-400 VAC	Avaliable	Avaliable	-
		0-450 VAC	Avaliable	Avaliable	Avaliable
		0-500 VAC	Avaliable	Avaliable	-
		0-24 VDC	-	-	Avaliable
		0-54 VDC	-	-	Avaliable
		0-120 VDC	-	-	Avaliable
		0-250 VDC	-	-	Avaliable
		0-450 VDC	-	-	Avaliable
	Conf igurable Current Range	0-1 AAC	-	-	-
		0-2 AAC	-	-	-
		0-3 AAC	-	-	-
		0-4 AAC	-	-	-
		0-5 AAC	-	-	-
	Frequency		40-70 Hz	40-70 Hz	40-70 Hz
	Surge overload		< 2 x Uinput max. range (5 pulses 1s)	< 2 x Uinput max. range (5 pulses 1s)	< 2 x Uinput max. range (5 pulses 1s)
	Constant overload		Max. 600 V	Max. 600 V	Max. 600 V
	Input impedances		240 kΩ	240 kΩ	240 kΩ

VT - CT Series Voltage & Current Transducers









VT3-AC-LP	CT3-AC	CT3-AC-24	CT3-AC-LP
True RMS Voltage Transducer	True RMS Current Transducer	True RMS Current Transducer	True RMS Current Transducer
600105	600100	600102	600104
36	36	36	36
Screw terminal	Screw terminal	Screw terminal	Screw terminal
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
Avaliable	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	Avaliable	Avaliable	Avaliable
-	Avaliable	Avaliable	Avaliable
-	Avaliable	Avaliable	Avaliable
-	Avaliable	Avaliable	Avaliable
-	Avaliable	Avaliable	Avaliable
40-70 Hz	40-70 Hz	40-70 Hz	40-70 Hz
< 2 x Uinput max. range (5 pulses 1s)	20xin(100A) for 1 Sec.	20xin(100A) for 1 Sec.	20xin(100A) for 1 Sec.
Max. 600 V	10A(2x Rated IN)	10A(2x Rated IN)	10A(2x Rated IN)
240 kΩ	49.9 Ω (burden resistor)	49.9 Ω (burden resistor)	49.9 Ω (burden resistor)

VT - CT Series Voltage & Current Transducers

Type			VT3-AC	VT3-AC-24	VT3-ACDC-24
Output	Type	0-20 mA	Avaliable	Avaliable	Avaliable
		4-20 mA	Avaliable	Avaliable	Avaliable
		±20 mA	Avaliable	Avaliable	Avaliable
		20-0 mA	Avaliable	Avaliable	Avaliable
		20-4 mA	Avaliable	Avaliable	Avaliable
		0-5 V	Avaliable	Avaliable	Avaliable
		0-10 V	Avaliable	Avaliable	Avaliable
		±5 V	Avaliable	Avaliable	Avaliable
		± 10 V	Avaliable	Avaliable	Avaliable
		10-0 V	Avaliable	Avaliable	Avaliable
	Analog Output	Max. Current	24 mA	24 mA	24 mA
		Max. Voltage	12 V	12 V	12 V
		Max. Load	10kΩ(for voltage) / 600Ω(for current)	10kΩ(for voltage) / 600Ω(for current)	10kΩ(for voltage) / 600Ω(for current)
Supply	Voltage	AC	85-265V	-	-
		DC	85-265V	10-36V	10-36V
	Frequency		40-70 Hz	-	-
Power consumption	DC		<1.5W	<1.5W	<1.5W
	AC		<4VA	<4VA	<4VA
Isolation			1.5 kVrms, 3-way	1.5 kVrms, 3-way	1.5 kVrms, 3-way
Test Voltage between input-output			4kV during 1 min	4kV during 1 min	4kV during 1 min
Linearity			<0.2%	<0.2%	<0.2%
Response Time			350 ms	350 ms	350 ms
Ripple			<80mV	<80mV	<80mV
Accuracy			< %0.2 (full scale, 25°C)	< %0.2 (full scale, °C)	< %0.2 (full scale, °C)
Temperature coeff icient			150 ppm/°C	150 ppm/°C	150 ppm/°C
Permissible ambient temperature		During operation	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
		During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP20	IP20	IP20
Weight(gr)			84	76	70
Permissible mounting position			any	any	any

VT3-AC-LP	CT3-AC	CT3-AC-24	CT3-AC-LP
-	Avaliable	Avaliable	-
Avaliable	Avaliable	Avaliable	Avaliable
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
-	Avaliable	Avaliable	-
24 mA	24 mA	24 mA	24 mA
-	12 V	12 V	-
10kΩ(for voltage) / 600Ω(for current)	10kΩ(for voltage) / 600Ω(for current)	10kΩ(for voltage) / 600Ω(for current)	10kΩ(for voltage) / 600Ω(for current)
-	85-265V	-	-
9-30V	85-265V	10-36V	9-30V
-	40-70 Hz	-	-
<1.5W	<1.5W	<1.5W	<1.5W
<4VA	<4VA	<4VA	<4VA
1.5 kVrms, 2-way	1.5 kVrms, 3-way	1.5 kVrms, 3-way	1.5 kVrms, 2-way
4kV during 1 min	4kV during 1 min	4kV during 1 min	4kV during 1 min
<0.2%	<0.2%	<0.2%	<0.2%
350 ms	350 ms	350 ms	350 ms
<80mV	<80mV	<80mV	<80mV
< %0.2 (full scale, °C)	< %0.2 (full scale, °C)	< %0.2 (full scale, °C)	< %0.2 (full scale, °C)
150 ppm/°C	150 ppm/°C	150 ppm/°C	150 ppm/°C
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP20	IP20	IP20	IP20
68	87	81	71
any	any	any	any

TT-RTD-LP Series PT100 Transducers





Type			TT-RTD-LP (-50 .. 100)	TT-RTD-LP (0 .. 100)	TT-RTD-LP (0 .. 150)
Definiton			Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer
Order Number			603860	603861	603862
Casing Width(mm)			17,5	17,5	17,5
Connections			Screw terminal	Screw terminal	Screw terminal
Input	Sensor Type		PT100	PT100	PT100
	Connection Method		2 wire or 3 wire	2 wire or 3 wire	2 wire or 3 wire
	Temperature Measuring Range		-50°C .. 100°C	0°C .. 100 °C	0°C .. 150 °C
	Sensor excitation current		<0.6mA	<0.6mA	<0.6mA
Output	Output Signal		4-20mA	4-20mA	4-20mA
	Linear output range		3.6mA .. 23.6mA	3.6mA .. 23.6mA	3.6mA .. 23.6mA
	Max. Load		≤ 750Ω	≤ 750Ω	≤ 750Ω
	Ripple		< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)
Supply	Voltage	AC	-	-	-
		DC	10-30V	10-30V	10-30V
Isolation			-	-	-
Measurement error			< %0.1 Full scale	< %0.1 Full scale	< %0.1 Full scale
Temperature coeff icient			≤ %0.02/°C	≤ %0.02/°C	≤ %0.02/°C
Response Time			< 20ms	< 20ms	< 20ms
Sensor failure indication			3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)
Permissible ambient temperature		During operation	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
		During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Degree of protection			IP20	IP20	IP20
Weight(gr)			42	42	42
Permissible mounting position			any	any	any
Type			TT-RTD-LP (-50 .. 100)	TT-RTD-LP (0 .. 100)	TT-RTD-LP (0 .. 150)

TT-RTD-LP Series PT100 Transducers



TT-RTD-LP (0 .. 200)	TT-RTD-LP (0 .. 300)	TT-RTD-LP (-50 .. 150)	TT-RTD-LP (-50 .. 200)	TT-RTD-LP (0 .. 500)
Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer	Non-Isolated PT100 Transducer
603863	603864	603865	603866	603867
17,5	17,5	17,5	17,5	17,5
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
PT100	PT100	PT100	PT100	PT100
2 wire or 3 wire	2 wire or 3 wire	2 wire or 3 wire	2 wire or 3 wire	2 wire or 3 wire
0°C .. 200 °C	0°C .. 300 °C	-50°C .. 150°C	-50°C .. 200°C	0°C .. 500°C
<0.6mA	<0.6mA	<0.6mA	<0.6mA	<0.6mA
4-20mA	4-20mA	4-20mA	4-20mA	4-20mA
3.6mA .. 23.6mA	3.6mA .. 23.6mA	3.6mA .. 23.6mA	3.6mA .. 23.6mA	3.6mA .. 23.6mA
≤ 750Ω	≤ 750Ω	≤ 750Ω	≤ 750Ω	≤ 750Ω
< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)	< 20 mVPP (at 750 Ω)
-	-	-	-	-
10-30V	10-30V	10-30V	10-30V	10-30V
-	-	-	-	-
< %0.1 Full scale	< %0.1 Full scale	< %0.1 Full scale	< %0.1 Full scale	< %0.1 Full scale
≤ %0.02/°C	≤ %0.02/°C	≤ %0.02/°C	≤ %0.02/°C	≤ %0.02/°C
< 20ms	< 20ms	< 20ms	< 20ms	< 20ms
3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)	3.1mA (1 wire is broken), 24.6mA (at least 2 wire is broken)
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
IP20	IP20	IP20	IP20	IP20
42	42	42	42	42
any	any	any	any	any
TT-RTD-LP (0 .. 200)	TT-RTD-LP (0 .. 300)	TT-RTD-LP (-50 .. 150)	TT-RTD-LP (-50 .. 200)	TT-RTD-LP (0 .. 500)

Electronic Products

PISO Series Passive Isolators



Type			PISO-DC-1 (0-20mA/0-20mA)	PISO-DC-1 (4-20mA/4-20mA)	PISO-DC-1 (0-20mA/0-10V)	PISO-DC-1 (0-20mA/0-5V)	PISO-DC-2 (0-20mA/0-20mA)
Definiton			Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator
Order Number			602800	602801	602802	602803	602850
Casing Width(mm)			17,5	17,5	17,5	17,5	17,5
Connections			Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Input	Number of Channels		1 pc.	1 pc.	1 pc.	1 pc.	2 pc.
	Signal type		0-20mA	4-20mA	0-20mA	0-20mA	0-20mA
	Maximum input signal		50mA	50mA	50mA	50mA	50mA
Output	Number of Channels		1 pc.	1 pc.	1 pc.	1 pc.	2 pcs.
	Signal Type		0-20 mA	4-20 mA	0-10 V	0-5 V	0-20 mA
	Max. Current		24 mA	24 mA	-	-	24 mA
	Max. Voltage		-	-	12 V	12 V	-
	Ripple		< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)
	Load Resistance		≤ 250Ω	≤ 250Ω	≥ 5MΩ	≥ 5MΩ	≤ 250Ω
Isolation			1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms
Measurement error(Full Scale)			< %0.1	< %0.1	< %0.2	< %0.2	< %0.1
Response Time			20 ms	20 ms	20 ms	20 ms	20 ms
Temperature coeff icient			<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K
Permissible ambient temperature		During operation	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
		During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity			Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Type			PISO-DC-1 (0-20mA/0-20mA)	PISO-DC-1 (4-20mA/4-20mA)	PISO-DC-1 (0-20mA/0-10V)	PISO-DC-1 (0-20mA/0-5V)	PISO-DC-2 (0-20mA/0-20mA)
Degree of protection			IP20	IP20	IP20	IP20	IP20
Permissible mounting position			any	any	any	any	any

PISO Series Passive Isolators



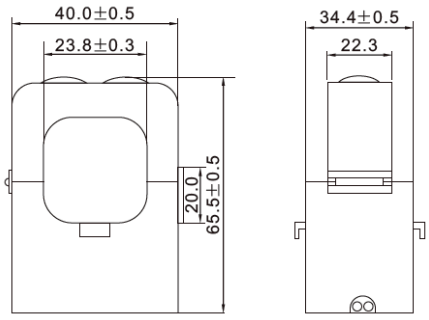
PISO-DC-2 (4-20mA/4-20mA)	PISO-DC-2 (0-20mA/0-10V)	PISO-DC-2 (0-20mA/0-5V)	PISO-DC-DUO (0-20mA/0-20mA, 0-20mA)	PISO-DC-DUO (4-20mA/4-20mA, 4-20mA)	PISO-DC-DUO (0-20mA/0-10V,0-10V)	PISO-DC-DUO (0-20mA/0-5V,0-5V)
Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator
602851	602852	602853	602700	602701	602702	602703
17,5	17,5	17,5	17,5	17,5	17,5	17,5
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
2 pc.	2 pc.	2 pc.	1 pc.	1 pc.	1 pc.	1 pc.
4-20mA	0-20mA	0-20mA	0-20mA	4-20mA	0-20mA	0-20mA
50mA	50mA	50mA	50mA	50mA	50mA	50mA
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
4-20 mA	0-10 V	0-5 V	0-20 mA	4-20 mA	0-10 V	0-5 V
24 mA	-	-	24 mA	24 mA	-	-
-	12 V	12 V	-	-	12 V	12 V
< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)
≤ 250Ω	≥ 5MΩ	≥ 5MΩ	≤ 250Ω	≤ 250Ω	≥ 5MΩ	≥ 5MΩ
1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms
< %0.1	< %0.2	< %0.2	< %0.1	< %0.1	< %0.2	< %0.2
20 ms	20 ms	20 ms	20 ms	20 ms	20 ms	20 ms
<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
PISO-DC-2 (4-20mA/4-20mA)	PISO-DC-2 (0-20mA/0-10V)	PISO-DC-2 (0-20mA/0-5V)	PISO-DC-DUO (0-20mA/0-20mA, 0-20mA)	PISO-DC-DUO (4-20mA/4-20mA, 4-20mA)	PISO-DC-DUO (0-20mA/0-10V, 0-10V)	PISO-DC-DUO (0-20mA/0-5V,0-5V)
IP20	IP20	IP20	IP20	IP20	IP20	IP20
any	any	any	any	any	any	any

Electronic Products

KCT Series Current Transformers

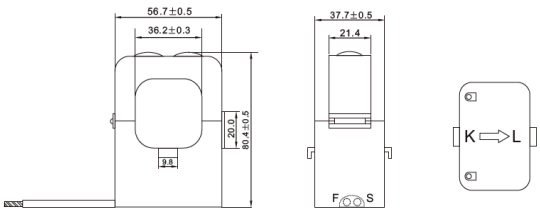
- Possibility of installation without power interruption
- Secure locking structure
- Easy installation and portability
- Different size options
- Ease of maintenance/repair
- Precise measurement and high reliability







Product Name	Order No	Conductor Diameter (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 1	Class 3
KCT-24 75/5A	720100D	24	75	5	1		√
KCT-24 100/5A	720101D	24	100	5	1		√
KCT-24 150/5A	720102D	24	150	5	1		√
KCT-24 200/5A	720103D	24	200	5	1,5		√
KCT-24 250/5A	720104C	24	250	5	0,5	√	
KCT-24 300/5A	720105C	36	300	5	0,5	√	





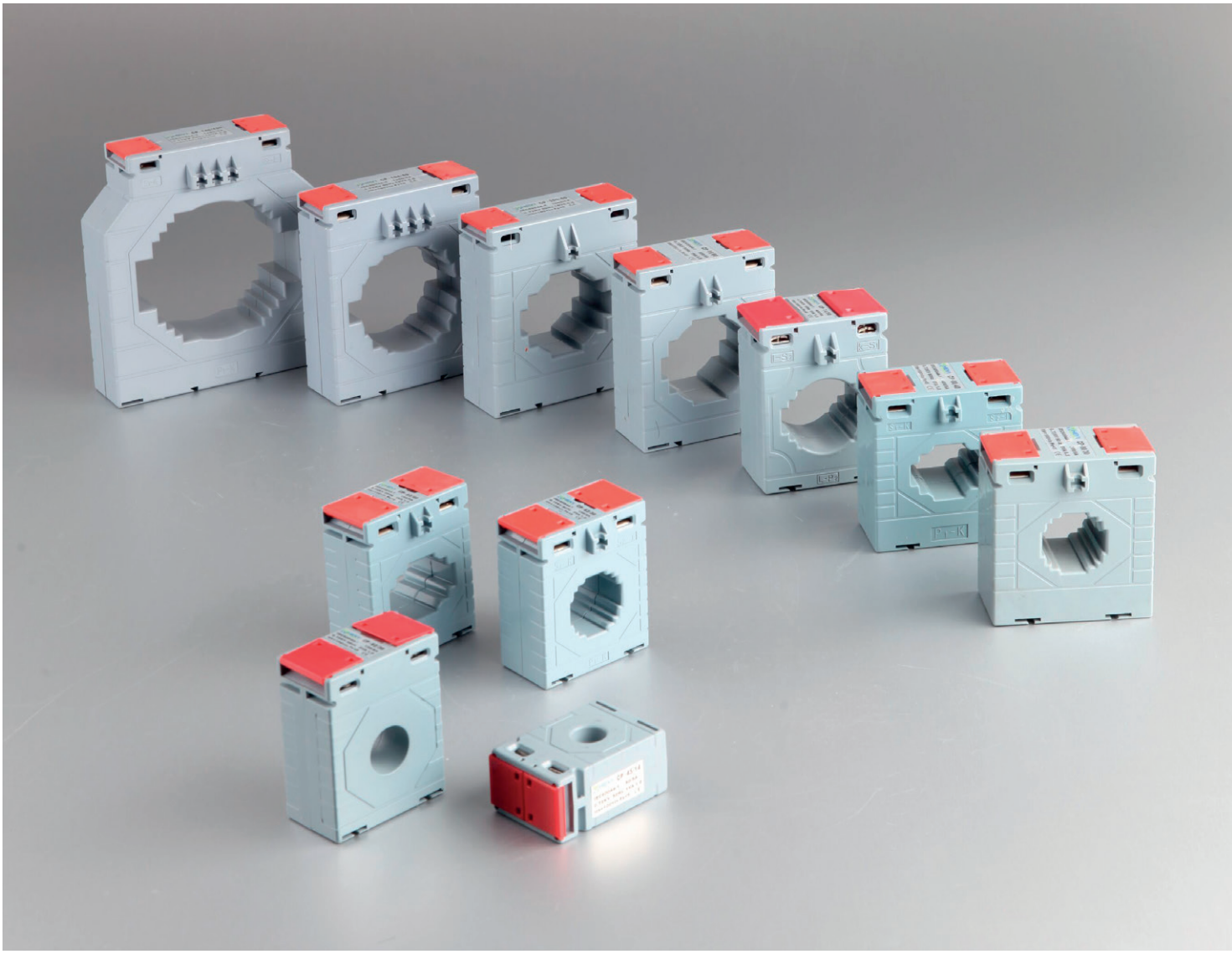
Product Name	Order No	Conductor Diameter (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 1	Class 3
KCT-36 150/5A	720202D	36	150	5	0,5		√
KCT-36 200/5A	720203D	36	200	5	0,5		√
KCT-36 250/5A	720204D	36	250	5	0,5		√
KCT-36 300/5A	720205C	36	300	5	0,5	√	
KCT-36 400/5A	720206C	36	400	5	1,5	√	
KCT-36 500/5A	720207C	36	500	5	1,5	√	
KCT-36 600/5A	720208C	36	600	5	1,5	√	

Electronic Products

KFC Series Current Transformers

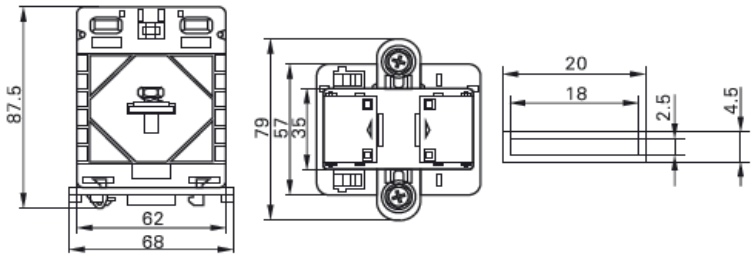
- Compact structure
- Different size options
- Precise measurement and high reliability
- Different mounting options: Panel/DIN Rail/Busbar





Electronic Products

KFC Series Current Transformers

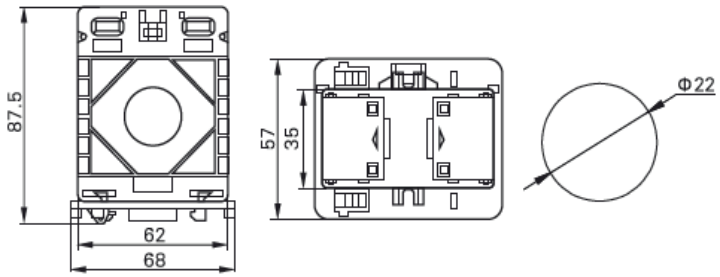




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 62-B 5/5A	710100A	5	5	2,5	√			
KFC 62-B 5/5A	710100B	5	5	2,5		√		
KFC 62-B 5/5A	710100C	5	5	2,5			√	
KFC 62-B 5/5A	710100D	5	5	2,5				√
KFC 62-B 10/5A	710101A	10	5	2,5	√			
KFC 62-B 10/5A	710101B	10	5	2,5		√		
KFC 62-B 10/5A	710101C	10	5	2,5			√	
KFC 62-B 10/5A	710101D	10	5	2,5				√
KFC 62-B 15/5A	710102A	15	5	2,5	√			
KFC 62-B 15/5A	710102B	15	5	2,5		√		
KFC 62-B 15/5A	710102C	15	5	2,5			√	
KFC 62-B 15/5A	710102D	15	5	2,5				√
KFC 62-B 20/5A	710103A	20	5	2,5	√			
KFC 62-B 20/5A	710103B	20	5	2,5		√		
KFC 62-B 20/5A	710103C	20	5	2,5			√	
KFC 62-B 20/5A	710103D	20	5	2,5				√
KFC 62-B 25/5A	710104A	25	5	2,5	√			
KFC 62-B 25/5A	710104B	25	5	2,5		√		
KFC 62-B 25/5A	710104C	25	5	2,5			√	
KFC 62-B 25/5A	710104D	25	5	2,5				√
KFC 62-B 30/5A	710105A	30	5	2,5	√			
KFC 62-B 30/5A	710105B	30	5	2,5		√		
KFC 62-B 30/5A	710105C	30	5	2,5			√	
KFC 62-B 30/5A	710105D	30	5	1,5				√
KFC 62-B 40/5A	710106A	40	5	2,5	√			
KFC 62-B 40/5A	710106B	40	5	2,5		√		
KFC 62-B 40/5A	710106C	40	5	1,5			√	
KFC 62-B 50/5A	710107A	50	5	2,5	√			
KFC 62-B 50/5A	710107B	50	5	2,5		√		
KFC 62-B 50/5A	710107C	50	5	2,5			√	
KFC 62-B 60/5A	710108A	60	5	2,5	√			
KFC 62-B 60/5A	710108B	60	5	2,5		√		
KFC 62-B 60/5A	710108C	60	5	2,5			√	
KFC 62-B 75/5A	710109A	75	5	2,5	√			
KFC 62-B 75/5A	710109B	75	5	2,5		√		
KFC 62-B 75/5A	710109C	75	5	2,5			√	
KFC 62-B 100/5A	710110A	100	5	2,5	√			
KFC 62-B 100/5A	710110B	100	5	2,5		√		
KFC 62-B 100/5A	710110C	100	5	2,5			√	
KFC 62-B 150/5A	710111A	150	5	2,5	√			
KFC 62-B 150/5A	710111B	150	5	2,5		√		
KFC 62-B 150/5A	710111C	150	5	5			√	

Electronic Products

KFC Series Current Transformers

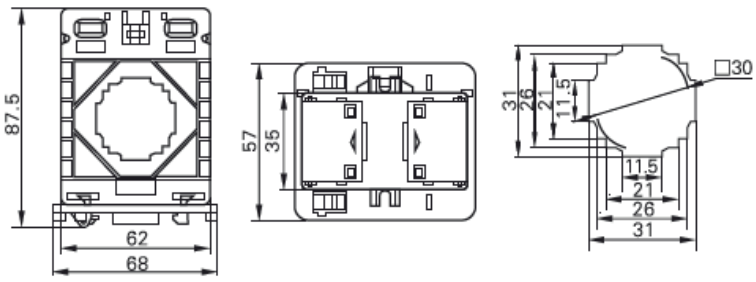




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 62-20 30/5A	710201C	30	5	2,5			√	
KFC 62-20 30/5A	710201D	30	5	1,5				√
KFC 62-20 40/5A	710202C	40	5	2,5			√	
KFC 62-20 40/5A	710202D	40	5	1,5				√
KFC 62-20 50/5A	710203C	50	5	2,5			√	
KFC 62-20 50/5A	710203D	50	5	1,5				√
KFC 62-20 60/5A	710204C	60	5	2,5			√	
KFC 62-20 60/5A	710204D	60	5	1,5				√
KFC 62-20 75/5A	710205C	75	5	1,5			√	
KFC 62-20 75/5A	710205D	75	5	1,5				√
KFC 62-20 80/5A	710206C	80	5	2,5			√	
KFC 62-20 100/5A	710207A	100	5	2,5	√			
KFC 62-20 100/5A	710207B	100	5	2,5		√		
KFC 62-20 100/5A	710207C	100	5	2,5			√	
KFC 62-20 150/5A	710208A	150	5	2,5	√			
KFC 62-20 150/5A	710208B	150	5	2,5		√		
KFC 62-20 150/5A	710208C	150	5	3,75			√	
KFC 62-20 200/5A	710209A	200	5	2,5	√			
KFC 62-20 200/5A	710209B	200	5	3,75		√		
KFC 62-20 200/5A	710209C	200	5	5			√	
KFC 62-20 250/5A	710210A	250	5	2,5	√			
KFC 62-20 250/5A	710210B	250	5	3,75		√		
KFC 62-20 250/5A	710210C	250	5	5			√	
KFC 62-20 300/5A	710211A	300	5	2,5	√			
KFC 62-20 300/5A	710211B	300	5	3,75		√		
KFC 62-20 300/5A	710211C	300	5	5			√	

Electronic Products

KFC Series Current Transformers

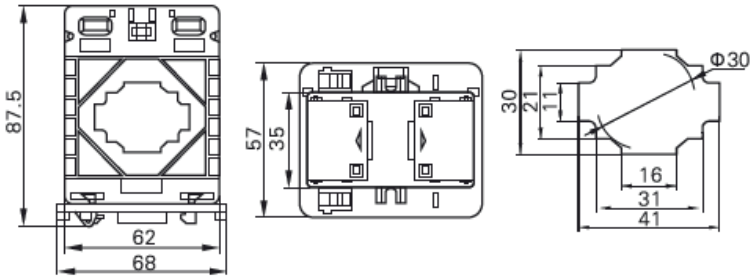




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 62-30 30/5A	710301C	30	5	2,5			√	
KFC 62-30 30/5A	710301D	30	5	1,5				√
KFC 62-30 40/5A	710302C	40	5	2,5			√	
KFC 62-30 40/5A	710302D	40	5	1,5				√
KFC 62-30 50/5A	710303C	50	5	2,5			√	
KFC 62-30 50/5A	710303D	50	5	1,5				√
KFC 62-30 60/5A	710304C	60	5	2,5			√	
KFC 62-30 60/5A	710304D	60	5	1,5				√
KFC 62-30 75/5A	710305C	75	5	2,5			√	
KFC 62-30 75/5A	710305D	75	5	1,5				√
KFC 62-30 100/5A	710306A	100	5	2,5	√			
KFC 62-30 100/5A	710306B	100	5	2,5		√		
KFC 62-30 100/5A	710306C	100	5	2,5			√	
KFC 62-30 150/5A	710307A	150	5	2,5	√			
KFC 62-30 150/5A	710307B	150	5	2,5		√		
KFC 62-30 150/5A	710307C	150	5	3,5			√	
KFC 62-30 200/5A	710308A	200	5	2,5	√			
KFC 62-30 200/5A	710308B	200	5	5		√		
KFC 62-30 200/5A	710308C	200	5	5			√	
KFC 62-30 250/5A	710309A	250	5	2,5	√			
KFC 62-30 250/5A	710309B	250	5	5		√		
KFC 62-30 250/5A	710309C	250	5	5			√	
KFC 62-30 300/5A	710310A	300	5	2,5	√			
KFC 62-30 300/5A	710310B	300	5	5		√		
KFC 62-30 300/5A	710310C	300	5	5			√	
KFC 62-30 400/5A	710311A	400	5	2,5	√			
KFC 62-30 400/5A	710311B	400	5	5		√		
KFC 62-30 400/5A	710311C	400	5	5			√	
KFC 62-30 500/5A	710312A	500	5	2,5	√			
KFC 62-30 500/5A	710312B	500	5	5		√		
KFC 62-30 500/5A	710312C	500	5	5			√	
KFC 62-30 600/5A	710313A	600	5	2,5	√			
KFC 62-30 600/5A	710313B	600	5	5		√		
KFC 62-30 600/5A	710313C	600	5	5			√	

Electronic Products

KFC Series Current Transformers

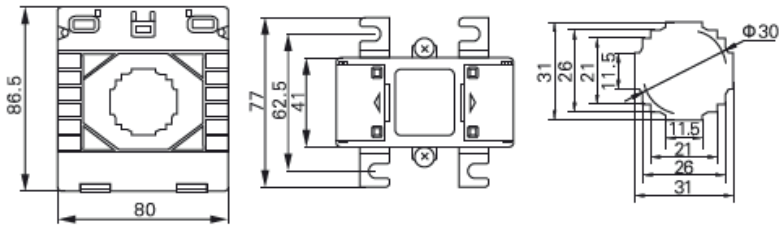




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 62-40 60/5A	710401C	60	5	2,5			√	
KFC 62-40 75/5A	710402C	75	5	2,5			√	
KFC 62-40 100/5A	710403C	100	5	2,5			√	
KFC 62-40 150/5A	710404C	150	5	2,5			√	
KFC 62-40 200/5A	710405A	200	5	2,5	√			
KFC 62-40 200/5A	710405B	200	5	2,5		√		
KFC 62-40 200/5A	710405C	200	5	5			√	
KFC 62-40 250/5A	710406A	250	5	2,5	√			
KFC 62-40 250/5A	710406B	250	5	2,5		√		
KFC 62-40 250/5A	710406C	250	5	5			√	
KFC 62-40 300/5A	710407A	300	5	2,5	√			
KFC 62-40 300/5A	710407B	300	5	5		√		
KFC 62-40 300/5A	710407C	300	5	5			√	
KFC 62-40 400/5A	710408A	400	5	2,5	√			
KFC 62-40 400/5A	710408B	400	5	5		√		
KFC 62-40 400/5A	710408C	400	5	5			√	
KFC 62-40 500/5A	710409A	500	5	2,5	√			
KFC 62-40 500/5A	710409B	500	5	5		√		
KFC 62-40 500/5A	710409C	500	5	5			√	
KFC 62-40 600/5A	710410A	600	5	2,5	√			
KFC 62-40 600/5A	710410B	600	5	7,5		√		
KFC 62-40 600/5A	710410C	600	5	5			√	

Electronic Products

KFC Series Current Transformers

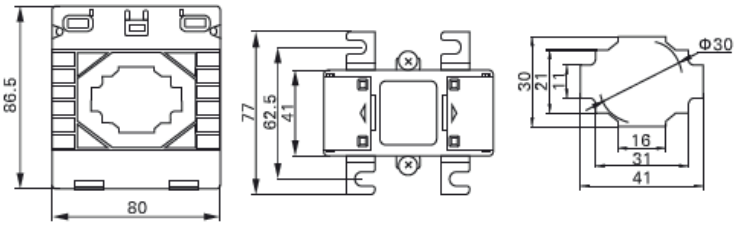




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 80-30 30/5A	710501C	30	5	2,5			√	
KFC 80-30 50/5A	710502C	50	5	2,5			√	
KFC 80-30 60/5A	710503C	60	5	2,5			√	
KFC 80-30 75/5A	710504C	75	5	1,5			√	
KFC 80-30 100/5A	710505A	100	5	2,5	√			
KFC 80-30 100/5A	710505B	100	5	2,5		√		
KFC 80-30 100/5A	710505B1	100	5	5		√		
KFC 80-30 100/5A	710505C	100	5	2,5			√	
KFC 80-30 150/5A	710506A	150	5	2,5	√			
KFC 80-30 150/5A	710506B	150	5	2,5		√		
KFC 80-30 150/5A	710506B1	150	5	5		√		
KFC 80-30 150/5A	710506C	150	5	3,75			√	
KFC 80-30 200/5A	710507A	200	5	3,75	√			
KFC 80-30 200/5A	710507B	200	5	3,75		√		
KFC 80-30 200/5A	710507B1	200	5	5		√		
KFC 80-30 200/5A	710507C	200	5	5			√	
KFC 80-30 250/5A	710508A	250	5	5	√			
KFC 80-30 250/5A	710508B	250	5	5		√		
KFC 80-30 250/5A	710508C	250	5	7,5			√	
KFC 80-30 300/5A	710509A	300	5	5	√			
KFC 80-30 300/5A	710509B	300	5	5		√		
KFC 80-30 300/5A	710509C	300	5	7,5			√	

Electronic Products

KFC Series Current Transformers

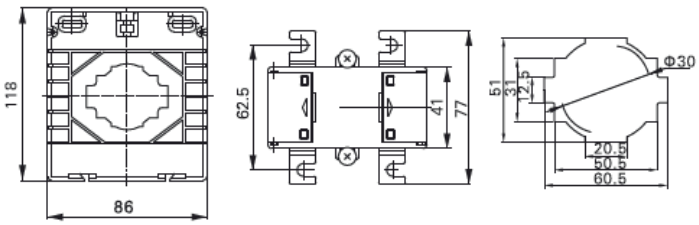




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 80-40 100/5A	710601B	100	5	2,5		√		
KFC 80-40 100/5A	710601C	100	5	2,5			√	
KFC 80-40 150/5A	710602A	150	5	2,5	√			
KFC 80-40 150/5A	710602B	150	5	2,5		√		
KFC 80-40 150/5A	710602B1	150	5	5		√		
KFC 80-40 150/5A	710602C	150	5	3,75			√	
KFC 80-40 200/5A	710603A	200	5	2,5	√			
KFC 80-40 200/5A	710603B	200	5	3,75		√		
KFC 80-40 200/5A	710603B1	200	5	5		√		
KFC 80-40 200/5A	710603C	200	5	5			√	
KFC 80-40 250/5A	710604A	250	5	2,5	√			
KFC 80-40 250/5A	710604B	250	5	3,75		√		
KFC 80-40 250/5A	710604B1	250	5	5		√		
KFC 80-40 250/5A	710604C	250	5	5			√	
KFC 80-40 300/5A	710605A	300	5	5	√			
KFC 80-40 300/5A	710605B	300	5	5		√		
KFC 80-40 300/5A	710605C	300	5	5			√	
KFC 80-40 400/5A	710606A	400	5	5	√			
KFC 80-40 400/5A	710606B	400	5	5		√		
KFC 80-40 400/5A	710606C	400	5	5			√	
KFC 80-40 500/5A	710607A	500	5	5	√			
KFC 80-40 500/5A	710607B	500	5	5		√		
KFC 80-40 500/5A	710607C	500	5	5			√	
KFC 80-40 600/5A	710608A	600	5	5	√			
KFC 80-40 600/5A	710608B	600	5	5		√		
KFC 80-40 600/5A	710608C	600	5	5			√	

Electronic Products

KFC Series Current Transformers

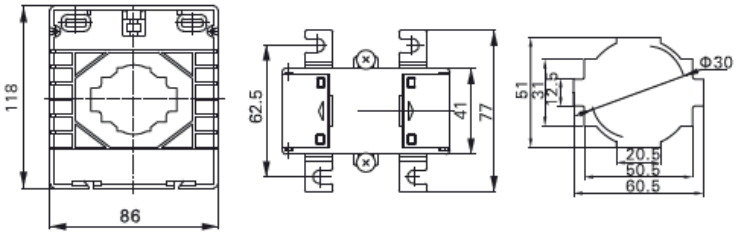




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 86-60 250/5A	710701A	250	5	2,5	√			
KFC 86-60 250/5A	710701B	250	5	2,5		√		
KFC 86-60 250/5A	710701B1	250	5	10		√		
KFC 86-60 250/5A	710701C	250	5	5			√	
KFC 86-60 300/5A	710702A	300	5	2,5	√			
KFC 86-60 300/5A	710702B	300	5	5		√		
KFC 86-60 300/5A	710702B1	300	5	10		√		
KFC 86-60 300/5A	710702C	300	5	5			√	
KFC 86-60 400/5A	710703A	400	5	2,5	√			
KFC 86-60 400/5A	710703B	400	5	5		√		
KFC 86-60 400/5A	710703B1	400	5	10		√		
KFC 86-60 400/5A	710703C	400	5	7,5			√	
KFC 86-60 500/5A	710704A	500	5	2,5	√			
KFC 86-60 500/5A	710704B	500	5	5		√		
KFC 86-60 500/5A	710704B1	500	5	10		√		
KFC 86-60 500/5A	710704C	500	5	7,5			√	
KFC 86-60 600/5A	710705A	600	5	5	√			
KFC 86-60 600/5A	710705B	600	5	7,5		√		
KFC 86-60 600/5A	710705B1	600	5	10		√		
KFC 86-60 600/5A	710705C	600	5	10			√	
KFC 86-60 750/5A	710706A	750	5	5	√			
KFC 86-60 750/5A	710706B	750	5	10		√		
KFC 86-60 750/5A	710706C	750	5	10			√	
KFC 86-60 800/5A	710707A	800	5	5	√			
KFC 86-60 800/5A	710707B	800	5	10		√		
KFC 86-60 800/5A	710707C	800	5	10			√	
KFC 86-60 1000/5A	710708A	1000	5	7,5	√			
KFC 86-60 1000/5A	710708B	1000	5	10		√		
KFC 86-60 1000/5A	710708C	1000	5	10			√	
KFC 86-60 1200/5A	710709A	1200	5	7,5	√			
KFC 86-60 1200/5A	710709B	1200	5	10		√		
KFC 86-60 1200/5A	710709C	1200	5	10			√	
KFC 86-60 1500/5A	710710A	1500	5	7,5	√			
KFC 86-60 1500/5A	710710B	1500	5	10		√		
KFC 86-60 1500/5A	710710C	1500	5	10			√	

Electronic Products

KFC Series Current Transformers

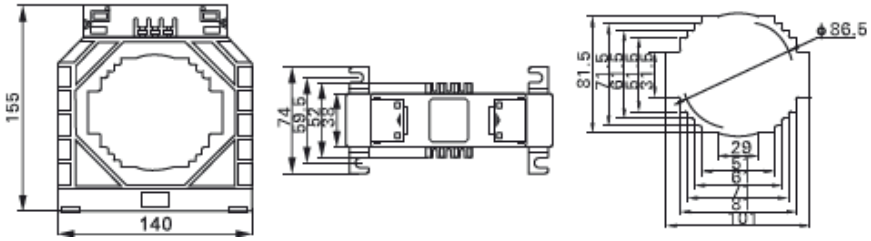




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 100-60 400/5A	710801A	400	5	2,5	√			
KFC 100-60 400/5A	710801B	400	5	5		√		
KFC 100-60 400/5A	710801B1	400	5	10		√		
KFC 100-60 400/5A	710801C	400	5	7,5			√	
KFC 100-60 500/5A	710802A	500	5	2,5	√			
KFC 100-60 500/5A	710802B	500	5	5		√		
KFC 100-60 500/5A	710802B1	500	5	10		√		
KFC 100-60 500/5A	710802C	500	5	7,5			√	
KFC 100-60 600/5A	710803A	600	5	5	√			
KFC 100-60 600/5A	710803B	600	5	7,5		√		
KFC 100-60 600/5A	710803B1	600	5	10		√		
KFC 100-60 600/5A	710803C	600	5	10			√	
KFC 100-60 750/5A	710804A	750	5	5	√			
KFC 100-60 750/5A	710804B	750	5	10		√		
KFC 100-60 750/5A	710804C	750	5	15			√	
KFC 100-60 800/5A	710805A	800	5	5	√			
KFC 100-60 800/5A	710805B	800	5	10		√		
KFC 100-60 800/5A	710805C	800	5	15			√	
KFC 100-60 1000/5A	710806A	1000	5	7,5	√			
KFC 100-60 1000/5A	710806B	1000	5	10		√		
KFC 100-60 1000/5A	710806C	1000	5	15			√	
KFC 100-60 1200/5A	710807A	1200	5	15	√			
KFC 100-60 1200/5A	710807B	1200	5	15		√		
KFC 100-60 1200/5A	710807C	1200	5	15			√	
KFC 100-60 1500/5A	710808A	1500	5	15	√			
KFC 100-60 1500/5A	710808B	1500	5	15		√		
KFC 100-60 1500/5A	710808C	1500	5	15			√	
KFC 100-60 1600/5A	710809A	1600	5	15	√			
KFC 100-60 1600/5A	710809B	1600	5	15		√		
KFC 100-60 1600/5A	710809C	1600	5	15			√	

Electronic Products

KFC Series Current Transformers

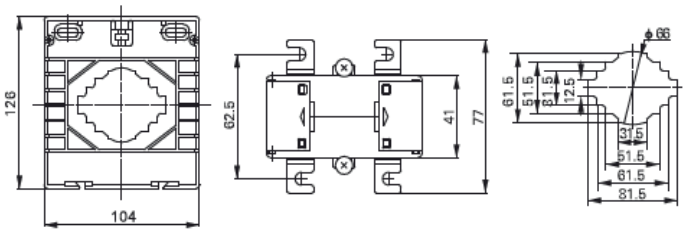




Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	ClassW 3
KFC 104-80 600/5A	710901A	600	5	2,5	√			
KFC 104-80 600/5A	710901B	600	5	7,5		√		
KFC 104-80 600/5A	710901B1	600	5	10		√		
KFC 104-80 600/5A	710901C	600	5	10			√	
KFC 104-80 750/5A	710902A	750	5	2,5	√			
KFC 104-80 750/5A	710902B	750	5	7,5		√		
KFC 104-80 750/5A	710902B1	750	5	10		√		
KFC 104-80 750/5A	710902C	750	5	10			√	
KFC 104-80 800/5A	710903A	800	5	5	√			
KFC 104-80 800/5A	710903B	800	5	10		√		
KFC 104-80 800/5A	710903C	800	5	10			√	
KFC 104-80 1000/5A	710904A	1000	5	7,5	√			
KFC 104-80 1000/5A	710904B	1000	5	10		√		
KFC 104-80 1000/5A	710904B1	1000	5	15		√		
KFC 104-80 1000/5A	710904C	1000	5	15			√	
KFC 104-80 1200/5A	710905A	1200	5	10	√			
KFC 104-80 1200/5A	710905B	1200	5	10		√		
KFC 104-80 1200/5A	710905B1	1200	5	15		√		
KFC 104-80 1200/5A	710905C	1200	5	15			√	
KFC 104-80 1250/5A	710906A	1250	5	10	√			
KFC 104-80 1250/5A	710906B	1250	5	10		√		
KFC 104-80 1250/5A	710906C	1250	5	15			√	
KFC 104-80 1500/5A	710907A	1500	5	10	√			
KFC 104-80 1500/5A	710907B	1500	5	15		√		
KFC 104-80 1500/5A	710907C	1500	5	15			√	
KFC 104-80 1600/5A	710908A	1600	5	10	√			
KFC 104-80 1600/5A	710908B	1600	5	15		√		
KFC 104-80 1600/5A	710908C	1600	5	15			√	
KFC 104-80 2000/5A	710909A	2000	5	10	√			
KFC 104-80 2000/5A	710909B	2000	5	15		√		
KFC 104-80 2000/5A	710909B1	2000	5	20		√		
KFC 104-80 2000/5A	710909C	2000	5	15			√	

Electronic Products

KFC Series Current Transformers





Product Name	Order No	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5S	Class 0.5	Class 1	Class 3
KFC 140-100 800/5A	711001A	800	5	5	√			
KFC 140-100 800/5A	711001B	800	5	10		√		
KFC 140-100 800/5A	711001B1	800	5	15		√		
KFC 140-100 800/5A	711001C	800	5	10			√	
KFC 140-100 1000/5A	711002A	1000	5	5	√			
KFC 140-100 1000/5A	711002B	1000	5	10		√		
KFC 140-100 1000/5A	711002B1	1000	5	15		√		
KFC 140-100 1000/5A	711002C	1000	5	15			√	
KFC 140-100 1200/5A	711003A	1200	5	10	√			
KFC 140-100 1200/5A	711003B	1200	5	15		√		
KFC 140-100 1200/5A	711003C	1200	5	15			√	
KFC 140-100 1250/5A	711004A	1250	5	10	√			
KFC 140-100 1250/5A	711004B	1250	5	15		√		
KFC 140-100 1250/5A	711004C	1250	5	15			√	
KFC 140-100 1500/5A	711005A	1500	5	15	√			
KFC 140-100 1500/5A	711005B	1500	5	15		√		
KFC 140-100 1500/5A	711005C	1500	5	15			√	
KFC 140-100 1600/5A	711006A	1600	5	15	√			
KFC 140-100 1600/5A	711006B	1600	5	15		√		
KFC 140-100 1600/5A	711006C	1600	5	15			√	
KFC 140-100 2000/5A	711007A	2000	5	15	√			
KFC 140-100 2000/5A	711007B	2000	5	15		√		
KFC 140-100 2000/5A	711007B1	2000	5	20		√		
KFC 140-100 2000/5A	711007C	2000	5	15			√	
KFC 140-100 2500/5A	711008A	2500	5	15	√			
KFC 140-100 2500/5A	711008B	2500	5	15		√		
KFC 140-100 2500/5A	711008B1	2500	5	20		√		
KFC 140-100 2500/5A	711008C	2500	5	15			√	
KFC 140-100 3000/5A	711009A	3000	5	15	√			
KFC 140-100 3000/5A	711009B	3000	5	15		√		
KFC 140-100 3000/5A	711009B1	3000	5	20		√		
KFC 140-100 3000/5A	711009C	3000	5	15			√	
KFC 140-100 3200/5A	711010A	3200	5	15	√			
KFC 140-100 3200/5A	711010B	3200	5	15		√		
KFC 140-100 3200/5A	711010B1	3200	5	20		√		
KFC 140-100 3200/5A	711010C	3200	5	15			√	

Electronic Products

KSC Series Current Transformers

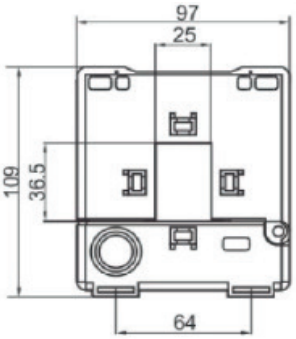
- Possibility of installation without power interruption
- High amperage values
- Easy installation and portability
- Different size options
- Ease of maintenance/repair
- Precise measurement and high reliability

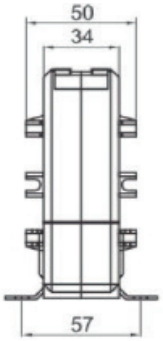




Electronic Products

KSC Series Current Transformers





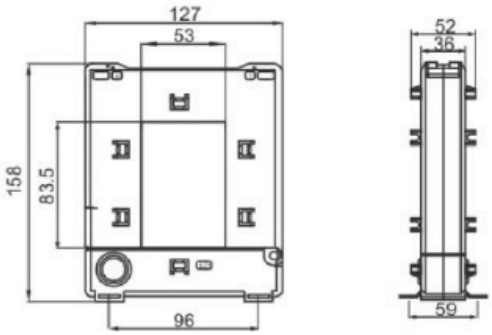


Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 23 100/5A	730101C	25x36,5	100	5	2,5		√
KSC 23 150/5A	730102C	25x36,5	150	5	2,5		√
KSC 23 200/5A	730103B	25x36,5	200	5	2,5	√	
KSC 23 200/5A	730103C	25x36,5	200	5	1,5		√
KSC 23 200/5A	730103C1	25x36,5	200	5	5		√
KSC 23 250/5A	730104B	25x36,5	250	5	5	√	
KSC 23 250/5A	730104C	25x36,5	250	5	2,5		√
KSC 23 250/5A	730104C1	25x36,5	250	5	5		√
KSC 23 300/5A	730105B	25x36,5	300	5	1,5	√	
KSC 23 300/5A	730105B1	25x36,5	300	5	5	√	
KSC 23 300/5A	730105C	25x36,5	300	5	2,5		√
KSC 23 300/5A	730105C1	25x36,5	300	5	5		√
KSC 23 400/5A	730106B	25x36,5	400	5	2,5	√	
KSC 23 400/5A	730106B1	25x36,5	400	5	5	√	
KSC 23 400/5A	730106C	25x36,5	400	5	2,5		√
KSC 23 400/5A	730106C1	25x36,5	400	5	5		√

Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 23 100/5A	730101C	25x36,5	100	5	2,5		√
KSC 23 150/5A	730102C	25x36,5	150	5	2,5		√
KSC 23 200/5A	730103B	25x36,5	200	5	2,5	√	
KSC 23 200/5A	730103C	25x36,5	200	5	1,5		√
KSC 23 200/5A	730103C1	25x36,5	200	5	5		√
KSC 23 250/5A	730104B	25x36,5	250	5	5	√	
KSC 23 250/5A	730104C	25x36,5	250	5	2,5		√
KSC 23 250/5A	730104C1	25x36,5	250	5	5		√
KSC 23 300/5A	730105B	25x36,5	300	5	1,5	√	
KSC 23 300/5A	730105B1	25x36,5	300	5	5	√	
KSC 23 300/5A	730105C	25x36,5	300	5	2,5		√
KSC 23 300/5A	730105C1	25x36,5	300	5	5		√
KSC 23 400/5A	730106B	25x36,5	400	5	2,5	√	
KSC 23 400/5A	730106B1	25x36,5	400	5	5	√	
KSC 23 400/5A	730106C	25x36,5	400	5	2,5		√
KSC 23 400/5A	730106C1	25x36,5	400	5	5		√

Electronic Products

KSC Series Current Transformers

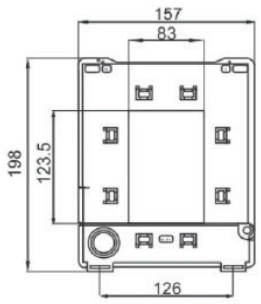


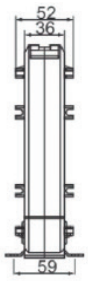


Product Name	Order No	Maximum Busbar V Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 58 250/5A	730201C	53x83,5	250	5	2,5		√
KSC 58 300/5A	730202B	53x83,5	300	5	1,5	√	
KSC 58 300/5A	730202B1	53x83,5	300	5	2,5	√	
KSC 58 300/5A	730202C	53x83,5	300	5	2,5		√
KSC 58 300/5A	730202C1	53x83,5	300	5	5		√
KSC 58 400/5A	730203B	53x83,5	400	5	1,5	√	
KSC 58 400/5A	730203B1	53x83,5	400	5	5	√	
KSC 58 400/5A	730203C	53x83,5	400	5	2,5		√
KSC 58 400/5A	730203C1	53x83,5	400	5	5		√
KSC 58 500/5A	730204B	53x83,5	500	5	2,5	√	
KSC 58 500/5A	730204B1	53x83,5	500	5	5	√	
KSC 58 500/5A	730204C	53x83,5	500	5	5		√
KSC 58 600/5A	730205B	53x83,5	600	5	5	√	
KSC 58 600/5A	730205C	53x83,5	600	5	5		√
KSC 58 750/5A	730206B	53x83,5	750	5	5	√	
KSC 58 750/5A	730206B1	53x83,5	750	5	7,5	√	
KSC 58 750/5A	730206C	53x83,5	750	5	7,5		√
KSC 58 800/5A	730207B	53x83,5	800	5	5	√	
KSC 58 800/5A	730207B1	53x83,5	800	5	10	√	
KSC 58 800/5A	730207C	53x83,5	800	5	7,5		√
KSC 58 800/5A	730207C1	53x83,5	800	5	10		√
KSC 58 1000/5A	730208B	53x83,5	1000	5	7,5	√	
KSC 58 1000/5A	730208B1	53x83,5	1000	5	10	√	
KSC 58 1000/5A	730208C	53x83,5	1000	5	10		√
KSC 58 1200/5A	730209B	53x83,5	1200	5	7,5	√	
KSC 58 1200/5A	730209B1	53x83,5	1200	5	10	√	
KSC 58 1200/5A	730209C	53x83,5	1200	5	10		√
KSC 58 1500/5A	730210B	53x83,5	1500	5	10	√	
KSC 58 1500/5A	730210C	53x83,5	1500	5	10		√
KSC 58 1600/5A	730211B	53x83,5	1600	5	10	√	
KSC 58 1600/5A	730211C	53x83,5	1600	5	10		√

Electronic Products

KSC Series Current Transformers





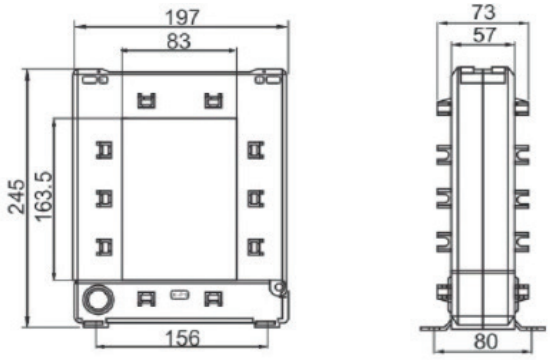


Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 812 500/5A	730301B	83x123,5	500	5	2,5	√	
KSC 812 500/5A	730301C	83x123,5	500	5	2,5		√
KSC 812 500/5A	730301C1	83x123,5	500	5	5		√
KSC 812 600/5A	730302B	83x123,5	600	5	2,5	√	
KSC 812 600/5A	730302C	83x123,5	600	5	2,5		√
KSC 812 600/5A	730302C1	83x123,5	600	5	5		√
KSC 812 750/5A	730303B	83x123,5	750	5	2,5	√	
KSC 812 750/5A	730303B1	83x123,5	750	5	5	√	
KSC 812 750/5A	730303C	83x123,5	750	5	5		√
KSC 812 800/5A	730304B	83x123,5	800	5	2,5	√	
KSC 812 800/5A	730304B1	83x123,5	800	5	5	√	
KSC 812 800/5A	730304C	83x123,5	800	5	5		√
KSC 812 1000/5A	730305B	83x123,5	1000	5	5	√	
KSC 812 1000/5A	730305B1	83x123,5	1000	5	10	√	
KSC 812 1000/5A	730305C	83x123,5	1000	5	7,5		√
KSC 812 1000/5A	730305C1	83x123,5	1000	5	10		√
KSC 812 1200/5A	730306B	83x123,5	1200	5	5	√	
KSC 812 1200/5A	730306B1	83x123,5	1200	5	10	√	
KSC 812 1200/5A	730306C	83x123,5	1200	5	7,5		√
KSC 812 1200/5A	730306C1	83x123,5	1200	5	10		√
KSC 812 1250/5A	730307B	83x123,5	1250	5	5	√	
KSC 812 1250/5A	730307B1	83x123,5	1250	5	10	√	
KSC 812 1250/5A	730307C	83x123,5	1250	5	7,5		√
KSC 812 1250/5A	730307C1	83x123,5	1250	5	10		√
KSC 812 1500/5A	730308B	83x123,5	1500	5	7,5	√	
KSC 812 1500/5A	730308B1	83x123,5	1500	5	10	√	
KSC 812 1500/5A	730308C	83x123,5	1500	5	10		√
KSC 812 1600/5A	730309B	83x123,5	1600	5	7,5	√	
KSC 812 1600/5A	730309B1	83x123,5	1600	5	10	√	
KSC 812 1600/5A	730309C	83x123,5	1600	5	10		√
KSC 812 2000/5A	730310B	83x123,5	2000	5	10	√	
KSC 812 2000/5A	730310B1	83x123,5	2000	5	15	√	
KSC 812 2000/5A	730310C	83x123,5	2000	5	15		√
KSC 812 2500/5A	730311B	83x123,5	2500	5	10	√	
KSC 812 2500/5A	730311B1	83x123,5	2500	5	15	√	
KSC 812 2500/5A	730311C	83x123,5	2500	5	15		√
KSC 812 3000/5A	730312B	83x123,5	3000	5	10	√	
KSC 812 3000/5A	730312B1	83x123,5	3000	5	15	√	

Electronic Products

KSC Series Current Transformers

Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 812 3000/5A	730312C	83x123,5	3000	5	15		√
KSC 812 4000/5A	730313B	83x123,5	4000	5	10	√	
KSC 812 4000/5A	730313B1	83x123,5	4000	5	15	√	
KSC 812 4000/5A	730313C	83x123,5	4000	5	15		√





Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 816 1000/5A	730401B	83x163,5	1000	5	7,5	√	
KSC 816 1000/5A	730401B1	83x163,5	1000	5	10	√	
KSC 816 1000/5A	730401C	83x163,5	1000	5	10		√
KSC 816 1000/5A	730401C1	83x163,5	1000	5	15		√
KSC 816 1200/5A	730402B	83x163,5	1200	5	7,5	√	
KSC 816 1200/5A	730402B1	83x163,5	1200	5	10	√	
KSC 816 1200/5A	730402C	83x163,5	1200	5	10		√
KSC 816 1200/5A	730402C1	83x163,5	1200	5	15		√
KSC 816 1250/5A	730403B	83x163,5	1250	5	7,5	√	
KSC 816 1250/5A	730403B1	83x163,5	1250	5	10	√	
KSC 816 1250/5A	730403C	83x163,5	1250	5	10		√
KSC 816 1250/5A	730403C1	83x163,5	1250	5	15		√
KSC 816 1500/5A	730404B	83x163,5	1500	5	10	√	
KSC 816 1500/5A	730404C	83x163,5	1500	5	15		√
KSC 816 1600/5A	730405B	83x163,5	1600	5	10	√	
KSC 816 1600/5A	730405C	83x163,5	1600	5	15		√
KSC 816 2000/5A	730406B	83x163,5	2000	5	15	√	
KSC 816 2000/5A	730406C	83x163,5	2000	5	20		√
KSC 816 2500/5A	730407B	83x163,5	2500	5	15	√	
KSC 816 2500/5A	730407C	83x163,5	2500	5	20		√
KSC 816 2500/5A	730407C1	83x163,5	2500	5	25		√
KSC 816 3000/5A	730408B	83x163,5	3000	5	15	√	
KSC 816 3000/5A	730408B1	83x163,5	3000	5	20	√	
KSC 816 3000/5A	730408C	83x163,5	3000	5	25		√
KSC 816 3000/5A	730408C1	83x163,5	3000	5	30		√
KSC 816 4000/5A	730409B	83x163,5	4000	5	15	√	
KSC 816 4000/5A	730409B1	83x163,5	4000	5	20	√	

Electronic Products

KSC Series Current Transformers

Product Name	Order No	Maximum Busbar Dimension (mm)	Primer Current (A)	Sekonder Current (A)	Nominal Power (VA)	Class 0.5	Class 1
KSC 816 4000/5A	730409C	83x163,5	4000	5	25		√
KSC 816 4000/5A	730409C1	83x163,5	4000	5	30		√
KSC 816 5000/5A	730410B	83x163,5	5000	5	15	√	
KSC 816 5000/5A	730410B1	83x163,5	5000	5	20	√	
KSC 816 5000/5A	730410C	83x163,5	5000	5	25		√
KSC 816 5000/5A	730410C1	83x163,5	5000	5	30		√
KSC 816 6000/5A	730411B	83x163,5	6000	5	20	√	
KSC 816 6000/5A	730411B1	83x163,5	6000	5	25	√	
KSC 816 6000/5A	730411C	83x163,5	6000	5	30		√
KSC 816 7000/5A	730412B	83x163,5	7000	5	20	√	
KSC 816 7000/5A	730412B1	83x163,5	7000	5	30	√	
KSC 816 7000/5A	730412C	83x163,5	7000	5	30		√
KSC 816 8000/5A	730413B	83x163,5	8000	5	20	√	
KSC 816 8000/5A	730413B1	83x163,5	8000	5	30	√	
KSC 816 8000/5A	730413C	83x163,5	8000	5	30		√

AC/DC Converter KPS-30, 30W, AC/DC DIN-Rail Power Supply

FEATURES

- Universal 85-264VAC or 120-370VDC input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range -40ºC to +70ºC
- High I/O isolation voltage up to 4000VAC
- Industrial-grade design
- OVC III (EN61558-1 standards)
- Low standby power consumption, high efficiency
- Low ripple & noise
- Output short circuit, over-current, over-voltage protection
- Withstand 300VAC surge input for 5s
- DIN Rail TS35X7.5/ TS35X15 mountable
- Safety according to EN61558



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-30 is AC-DC featuring a cost-effective, energy efficient solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise, compliant with international IEC62368 standards for EMC and safety sepecifitions meet IEC/EN61000-4, CISPR32, EN55032, IEC62368 and EN62368. These light weight AC-DC converters also have an extremely compact design for space saving and are ideal for applications such as industrial control equipment machinery and all kinds of applications in a harsh environment.

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/IEC/ BIS/UKCA	KPS-30	36	24V/1.5A	21.6-29.0	88	1400

Note: *The actual adjustment range may extend outside the values stated, care should be exercised to ensure that the output voltage and power levels remain within the published maximum values.

Input Specifications

Item	Operating Conditions	Min.	Typ..	Max.	Unit
Input Voltage Range	AC input	85	--	264	VAC
	DC input	120	--	370	VDC

Output Specifications

Item	Operating Conditions	Min.	Typ.	Max.	Unit
Output Voltage Accuracy	0% - 100% load	--	±2	--	%
Line Regulation	Rated load	--	±0.5	--	
Load Regulation	230VAC	--	±1.5	--	
Output Ripple & Noise*	20MHz bandwidth (peak-to-peak value)	--	--	150	mV
Temperature Coefficient		--	±0.02	--	%/°C
Short Circuit Protection		Hiccup, continuous, self-recovery			
Over-current Protection		≥120 % Io, self-recovery			
Over-voltage Protection		≤36V	Output voltage clamp or hiccup		
Minimum Load		0	--	--	%
Start-up Time		--	--	3	s
Hold-up Time	115VAC	--	12	--	ms
	230VAC	--	60	--	

Note: *The “parallel cable” method is used for ripple and noise test, please refer to AC-DC Converter Application Notes for specific information.

AC/DC Converter KPS-60, 60W, AC/DC DIN-Rail Power Supply

FEATURES

- Universal 85-264VAC or 120-370VDC input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -40ºC to +70ºC
- High I/O isolation test voltage up to 4000VAC
- Industrial-grade design
- OVC III (EN61558-1 standards)
- Low standby power consumption, high efficiency
- Low ripple & noise
- Output short circuit, over-current, over-voltage protection
- Withstand 300VAC surge input for 5s
- DIN Rail TS35X7.5/ TS35X15 mountable
- Safety according to EN61558



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-60 is AC-DC featuring a cost-effective, energy efficient solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise, compliant with international IEC62368 standards for EMC and safety sepecifitions meet IEC/EN61000-4, CISPR32, EN55032, IEC62368 and EN62368. These light weight AC-DC converters also have an extremely compact design for space saving and are ideal for applications such as industrial control equipment machinery and all kinds of applications in a harsh environment.

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/IEC/ BIS/UKCA	KPS-60	60	24V/2.5A	21.6-29.0	90	4000

Note: *The actual adjustment range may extend outside the values stated, care should be exercised to ensure that the output voltage and power levels remain within the published maximum values.

Input Specifications

Item	Operating Conditions	Min.	Typ..	Max.	Unit
Input Voltage Range	AC input	85	--	264	VAC
	DC input	120	--	370	VDC
Input Frequency		47	--	63	Hz
Input Current	115VAC	--	--	1.2	A
	230VAC	--	--	0.8	
Inrush Current	115VAC	--	30	--	
	230VAC	--	60	--	
Leakage Current	264VAC	0.25mA RMS max.			
Hot Plug		Unavailable			

AC/DC Converter KPS-75, 75W, AC/DC 75W Enclosed Switching Power Supply

FEATURES

- Universal 90 - 264VAC or 120 - 370VDC Input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -30ºC to +70ºC
- High I/O isolation test voltage up to 4000VAC
- Low ripple & noise
- Output short circuit, over-current, over-voltage, over-temperature protection
- DIN Rail TS-35/7.5 or 15 mountable
- Suitable for small chassis and narrow space installation
- Safety according to BS EN62368



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-75 is AC-DC converter series featuring a cost-effective, energy efficient green power supply solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise for industrial control equipment, machinery, and other industrial equipment in a variety of harsh environments. This light weight AC-DC converter have an extremely compact design and the standard rail installation for space saving. With good EMC performance, compliant with international EN62368 standards for EMC and safety.

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/BIS	KPS-75	76.8	24V/3.2A	24-28	89	1500

Input Specifications

Item	Operating Conditions		Min.	Typ..	Max.	Unit
Input Voltage Range	AC input		90	--	264	VAC
	DC input		120	--	370	VDC
Input Voltage Frequency			47	--	63	Hz
Input Current	115VAC		--	--	2	A
	230VAC		--	--	1	
Inrush Current	115VAC	Cold start	--	25	--	
	230VAC		--	45	--	
Leakage Current	264VAC		<0.5mA			
Hot Plug			Unavailable			

AC/DC Converter KPS120, 120W, AC/DC 120W Enclosed Switching



FEATURES

- Universal 90 - 264VAC or 127 - 370VDC Input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -20ºC to +60ºC
- High I/O isolation test voltage up to 4000VAC
- Low ripple & noise
- Output short circuit, over-current, over-voltage, over-temperature protection
- DIN Rail TS-35/7.5 or 15 mountable
- Ultra slim design: suitable for small chassis and narrow space installation

EN62368-1
IEC62368-1
BS EN 62368-1

KPS-120 is AC-DC converter series featuring a cost-effective, energy efficient green power supply solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise for industrial control equipment, machinery, and other industrial equipment in a variety of harsh environments. This light weight AC-DC converter have an extremely compact design and the standard rail installation for space saving. With good EMC performance, compliant with international, EN/BS EN 62368 standards for EMC and safety

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/BIS/BS	KPS-120	120	24V/5A	24-28	88	1200

Input Specifications

Item	Operating Conditions		Min.	Typ..	Max.	Unit
Input Voltage Range	AC input		90	--	264	VAC
	DC input		127	--	370	VDC
Input Voltage Frequency			47	--	63	Hz
Input Current	115VAC		--	--	2.7	A
	230VAC		--	--	1.6	
Inrush Current	115VAC	Cold start	--	30	--	
	230VAC		--	55	--	
Leakage Current	240VAC		<1.0mA			
Hot Plug			Unavailable			

AC/DC Converter KPS-120-P,
120W, AC/DC 120W Enclosed Switching Power Supply



FEATURES

- Universal 85 - 264VAC or 120 - 370 VDC Input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -40ºC to +70ºC
- High efficiency up to 94%, high reliability
- DC OK function
- Active PFC
- 150% peak load output for 3 seconds
- DC ON output status indicator LED
- Output short circuit, over-current, over-voltage, over-temperature protection
- Operating altitude up to 5000m
- OVCII
- Indoor use
- Safety according to IEC/BS EN 62368

EN62368-1
IEC62368-1
BS EN 62368-1

KPS-120-P is AC-DC converter series featuring a cost-effective, energy efficient explosion-proof solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise, compliant with international IEC62368 standards for EMC and safety specifications meet IEC/EN/BS EN 62368. This light weight AC-DC converters also have an extremely compact design for space saving and are ideal for applications such as industrial control equipment, machinery, and all kinds of applications in a harsh environments.

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (µF) Max.
EN	KPS-120-P	120	24V/5A	23.5-28.0	94	50,000

Input Specifications

Item	Operating Conditions		Min.	Typ..	Max.	Unit
Input Voltage Range	Rated input (Certified voltage)		100	--	240	VAC
	AC input		85	--	264	
	DC input		120	--	370	VDC
Input Frequency	Rated AC input		50	--	60	Hz
	AC input		47	--	63	
Input Current	Rated Input		--	--	1.5	A
	115VAC		--	--	1.5	
	230VAC		--	--	0.75	
Inrush Current	115VAC	Cold start	--	15	--	
	230VAC		--	30	--	
Leakage Current	240VAC		<1mA			
Power Factor	115VAC		--	0.98	--	--
	230VAC		--	0.94	--	
Start-up Delay Time	230VAC		--	300	1000	ms
Hot Plug			Unavailable			

AC/DC Converter KPS-150, 150W, AC/DC DIN-Rail Power Supply

FEATURES

- Universal 85-264VAC (277VAC available)
or 120-370VDC (390VDC available) input voltage
- Withstand 300VAC surge input for 5s
- Operating ambient temperature range: -30ºC to +70ºC
(can be start-up at -40ºC)
- High I/O isolation test voltage up to 4000VAC (Input - output)
- Over-voltage class III (Designed to meet EN61558 standards)
- Low standby power consumption, low ripple & noise
- High efficiency, high reliability
- Output short circuit, over-current, over-voltage over-temperature protection
- DIN Rail TS35X7.5/ TS35X15 mountable
- Ultra-thin design: width 105mm (6SU)



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-120 is AC-DC converter series featuring a cost-effective, energy efficient green power supply solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise for industrial control equipment, machinery, and other industrial equipment in a variety of harsh environments. This light weight AC-DC converter have an extremely compact design and the standard rail installation for space saving. With good EMC performance, compliant with international, EN/BS EN 62368 standards for EMC and safety

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/BIS	KPS-150	150.0	24V/6.25A	21.6 - 29.0	91.5	5000

Note: *The actual adjustment range may extend outside the values stated, care should be exercised to ensure that the output voltage and power levels remain within the published maximum values.

Input Specifications

Item	Operating Conditions	Min.	Typ..	Max.	Unit
Input Voltage Range	AC input	85	--	264	VAC
	DC input	120	--	370	VDC
Input Frequency		47	--	63	Hz
Input Current	115VAC	--	--	3	A
	230VAC	--	--	1.8	
Inrush Current	115VAC	--	35	--	
	230VAC	--	70	--	
Leakage Current	240VAC/50Hz	0.5mA RMS Max.			
Hot Plug		Unavailable			

AC/DC Converter KPS-240,
240W, AC/DC 240W Enclosed Switching Power Supply

FEATURES

- Universal 85 - 264VAC or 120 - 370VDC Input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -40ºC to +70ºC
- High efficiency, high reliability
- DC OK function
- Built-in active PFC function
- 150% peak load output for 3 seconds
- LED indicator for power on
- Output short circuit, over-current, over-voltage, over-temperature protection
- Safety according to IEC//BS EN 62368
- Operating altitude up to 5000m
- OVC II
- Indoor use



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-240-P is AC-DC converter series featuring a cost-effective, energy efficient green power supply solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise for industrial control equipment, machinery, and other industrial equipment in a variety of harsh environments. This light weight AC-DC converters have an extremely compact design and the standard rail installation for space saving. With good EMC performance, compliant with international IEC/EN/BS EN 62368 standards for EMC and safety.

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (µF) Max.
EN/BIS	KPS-240-P	240	24V/10A	24.0-28.0	94	40,000

Input Specifications

Item	Operating Conditions		Min.	Typ..	Max.	Unit
Input Voltage Range	Rated input (Certified voltage)		100	--	240	VAC
	AC input		85	--	264	
	DC input		120	--	370	VDC
Input Voltage Frequency	Rated AC input		50	--	60	Hz
	AC input		47	--	63	
Input Current	Rated Input		--	--	3	A
	115VAC		--	--	3	
	230VAC		--	--	1.5	
Inrush Current	115VAC	Cold start	--	15	--	
	230VAC		--	30	--	
Power Factor	115VAC		--	0.98	--	--
	230VAC		--	0.94	--	
Leakage Current	264VAC		<0.5 mA			
Hot Plug			Unavailable			

AC/DC Converter KPS-480-P, 480W, AC/DC 480W DIN Rail Power Supply

FEATURES

- Universal 85- 264VAC or 120- 370VDC Input voltage
- Accepts AC or DC input (dual-use of same terminal)
- Operating ambient temperature range: -40ºC to +70ºC
- The efficiency is up to 94.5%
- High I/O isolation test voltage up to 3000VAC
- DC OK function
- Active PFC, PF > 0.99
- Low ripple & noise
- Output short circuit, over-current, over-voltage, over-temperature protection, input undervoltage protection
- DIN Rail TS-35/7.5 or 15 mountable
- Ultra slim design with 48mm width
- Withstand 305VAC input voltage 5S
- Safety according to IEC/62368, EN61558



EN62368-1
IEC62368-1
BS EN 62368-1

KPS-480-P is AC-DC converter series featuring a cost-effective, energy efficient green power supply solution for standard DIN-rail mounting. The products offer a high level of stability and immunity to noise for industrial control equipment, machinery, and other industrial equipment in a variety of harsh environments. This light weight AC-DC converters have an extremely compact design and the standard rail installation for space saving. With good EMC performance, compliant with international IEC/EN/BS EN 62368, IS13252 (Part1), EN61558 standards for EMC and safety

Selection Guide

Certification	Part No.	Output Power (W)	Nominal Output Voltage and Current (Vo/Io)	Output Voltage Adjustable Range ADJ (V)*	Efficiency at 230VAC (%) Typ	Capacitive Load (μF) Max.
EN/BS	KPS-480-P	480	24V/20A	24-28	94.5	20000

Note: *Under any conditions, the total power of the product should not exceed the 480W rated power, and the output current cannot exceed the rated output current.

Input Specifications

Item	Operating Conditions		Min.	Typ..	Max.	Unit
Input Voltage Range	AC input		85	--	264	VAC
	DC input		120	--	370	VDC
Input Voltage Frequency			47	--	63	Hz
Input Current	115VAC		--	--	5	A
	230VAC		--	--	2.5	
Inrush Current	115VAC	Cold start	--	--	15	
	230VAC		--	--	15	
Power Factor	115VAC		0.99	--	--	--
	230VAC		0.99	--	--	
Leakage Current	240VAC		<0.8mA			
Hot Plug			Unavailable			
Input Undervoltage Protection	Protection start (Input voltage drops from high to low)		--	60	--	VAC
	Protection release (Input voltage rises from low to high)		--	75	--	

Klemsan 50th ANNIVERSARY

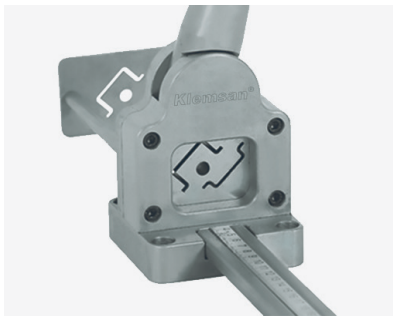






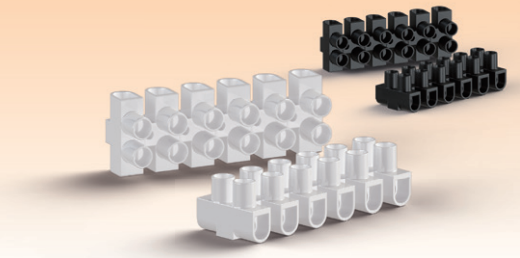




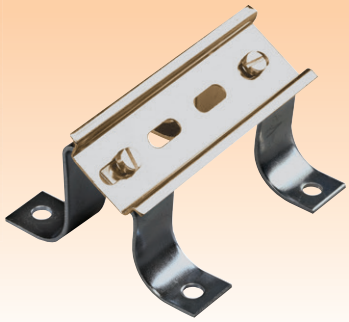



Hand Tools

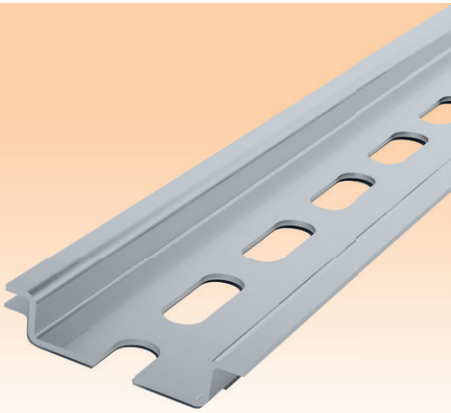
Accessories



Terminal Strips



DIN Rail Support



DIN Rails



Cable Ties



Self-Adhesive Tie Mounts



Saddle Type Tie Mounts



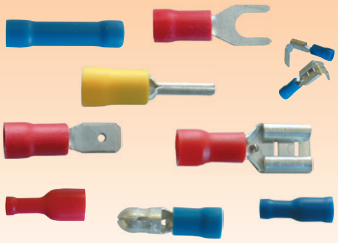
Cam Swicth



SKP



End Sleeves



Insulated Terminals

Cable Ties



Natural : Made from U.L. approved polyamide 66.
Flammibility rating : UL 94 V-2
Normal service temperature range : - 40° C to 85° C.

Black : Material and temperature as above, except in black color.
Specification : Made to comply with mil-spec drawing no. MS-3667
tensile strength meet or exceed MIL-S-23190 D standart.

B or S codes at the end of each cat. number indicate the color of the cable-tie.
Please contact for any requirements apart from the list.

B : White
S : Black
UV: Ultra Viole

Type	Order No	Eco	UV	Width (mm)	Length (mm)	Max. Bundle Dia. (mm)	Max. Tensite Strength (KGs)	Qty.
YKB 75	**532075B**			2,4	75	15	8	1000
YKB 75	**532075S**			2,4	75	15	8	1000
YKB 94	**532094B**	**532094BE**		2,5	94	25	8	1000
YKB 94	**532094S**	**532094SE**	532094SUV	2,5	94	25	8	1000
YKB 100	**532100B**	**532100BE**		2,5	100	25	8	1000
YKB 100	**532100S**	**532100SE**	532100SUV	2,5	100	25	8	1000
YKB 142	**532142B**	**532142BE**		2,5	142	35	8	1000
YKB 142	**532142S**	**532142SE**	532142SUV	2,5	142	35	8	1000
YKB 203	**532203B**	**532203BE**		2,5	203	55	8	1000
YKB 203	**532203S**	**532203SE**	532203SUV	2,5	203	55	8	1000
YKB 150	**533150B**	**533150BE**		3,6	150	39	18	1000
YKB 150	**533150S**	**533150SE**	533150SUV	3,6	150	39	18	1000
YKB 203	**533203B**			3,6	203	55	18	1000
YKB 203	**533203S**			3,6	203	55	18	1000
YKB 250	**533250B**	**533250BE**		3,6	250	74	18	1000
YKB 250	**533250S**	**533250SE**	533250SUV	3,6	250	74	18	1000
YKB 292	**533292B**	**533292BE**		3,6	292	85	18	1000
YKB 292	**533292S**	**533292SE**	533292SUV	3,6	292	85	18	1000
YKB 368	**533368B**	**533368BE**		3,6	368	102	18	1000
YKB 368	**533368S**	**533368SE**	533368SUV	3,6	368	102	18	1000
YKB 350	**534350B**			4,6	350	95	22	1000
YKB 350	**534350S**			4,6	350	95	22	1000
YKB 400	**534400B**			4,6	400	120	22	1000
YKB 400	**534400S**			4,6	400	120	22	1000
YKB 120	**534120B**	**534120BE**		4,8	120	30	22	1000
YKB 120	**534120S**	**534120SE**	534120SUV	4,8	120	30	22	1000
YKB 190	**534190B**	**534190BE**		4,8	190	52	22	1000
YKB 190	**534190S**	**534190SE**	534190SUV	4,8	190	52	22	1000
YKB 203	**534203B**	**534203BE**		4,8	203	55	22	1000
YKB 203	**534203S**	**534203SE**	534203SUV	4,8	203	55	22	1000

Type	Order No	Eco	UV	Width (mm)	Length (mm)	Max. Bundle Dia. (mm)	Max. Tensite Strength (KGs)	Qty.
YKB 250	**534250B**			4,8	250	74	22	1000
YKB 250	**534250S**			4,8	250	74	22	1000
YKB 300	**534300B**			4,8	300	88	22	1000
YKB 300	**534300S**			4,8	300	88	22	1000
YKB 368	**534368B**	**534368BE**		4,8	368	102	22	100
YKB 368	**534368S**	**534368SE**	534368SUV	4,8	368	102	22	100
YKB 432	**534432B**			4,8	432	125	22	100
YKB 432	**534432S**			4,8	432	125	22	100
YKB 500	**534500B**			4,8	500	170	22	100
YKB 500	**534500S**			4,8	500	170	22	100
YKB 610	**534610B**			4,8	610	200	22	100
YKB 610	**534610S**			4,8	610	200	22	100
YKB 730	**534730B**			4,8	730	225	22	100
YKB 730	**534730S**			4,8	730	225	22	100
YKB 280	**537280B**			7,6	280	82	55	500
YKB 280	**537280S**			7,6	280	82	55	500
YKB 300	**537300B**	**537300BE**		7,6	300	88	55	500
YKB 300	**537300S**	**537300SE**	537300SUV	7,6	300	88	55	500
YKB 340	**537340B**			7,6	340	98	55	500
YKB 340	**537340S**			7,6	340	98	55	500
YKB 380	**537380B**	**537380BE**		7,6	380	110	55	500
YKB 380	**537380S**	**537380SE**	537380SUV	7,6	380	110	55	500
YKB 610	**537610B**			7,6	610	200	55	100
YKB 610	**537610S**			7,6	610	200	55	100
YKB 750	**537750B**			7,6	750	230	55	100
YKB 750	**537750S**			7,6	750	230	55	100
YKB 450	**538450B**	**538450BE**		36739	450	133	80	100
YKB 450	**538450S**	**538450SE**	538450SUV	36739	450	133	80	100
YKB 550	**538550B**			8	550	150	80	100
YKB 550	**538550S**			8	550	150	80	100
YKB 762	**539762B**	**539762BE**		9	762	236	80	100
YKB 762	**539762S**	**539762SE**	539762SUV	9	762	236	80	100
YKB 914	**539914B**			9	914	283	80	100
YKB 914	**539914S**			9	914	283	80	100
YKB 1219	**531219B**			9	1219	370	80	100
YKB 1219	**531219S**			9	1219	370	80	100
YKB 730	**531730B**			12,7	730	225	130	100
YKB 730	**531730S**			12,7	730	225	130	100
YKB 1030	**531030B**			12,7	1030	317	130	100
YKB 1030	**531030S**			12,7	1030	317	130	100

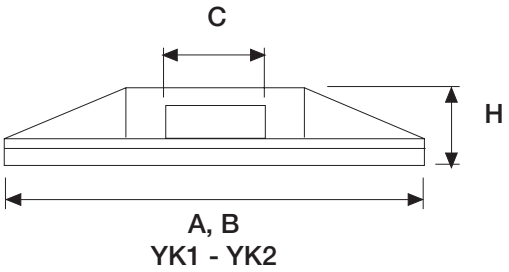
Self-Adhesive Tie Mounts

Material : UL Approved Polyamide 66, UL 94V-2. (Backed with adhesive tape) Self-adhesive tie mounts are designed to support light weight wire bundles when properly applied on any clean, smooth, grease-free surface. For heavy support, mounting hole is provided for screws.

Installation : To apply, simply peel off backing paper and apply mount to surface. After that, cable ties can be inserted to secure wire bundles.

To apply with the cable ties :
YK 1 : Up to 4.7 mm. wide cable ties. B : White
YK 2 : Up to 5 mm. wide cable ties. S : Black



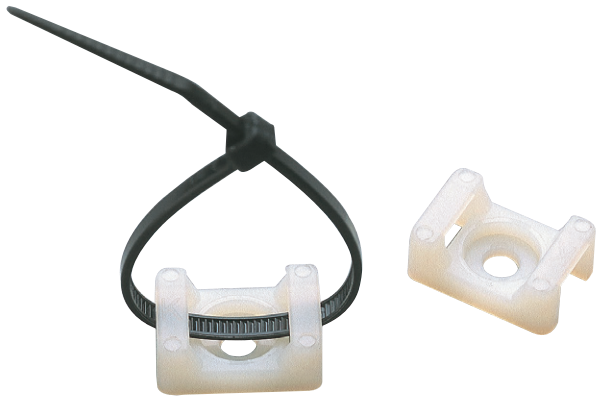


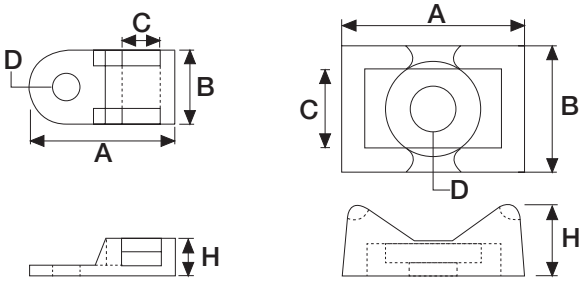
Type	Order No	Dimensions (mm)				Qty.
		A	B	C	H	
YK 1	**541 210 B**	21	21	4,4	5	500
YK 1	**541 210 S**	21	21	4,4	5	500
YK 2	**541 280 B**	28	28	6,5	5,8	500
YK 2	**541 280 S**	28	28	6,5	5,8	500

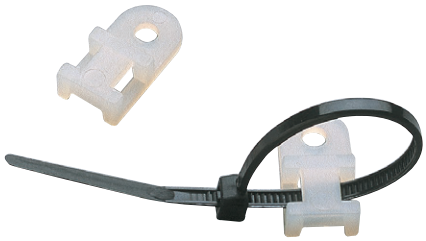
Saddle Type Tie Mounts

Material : UL Approved Polyamide 66, UL 94V-2. Saddle design provides maximum stability to wire bundles. To apply, simply fix mount with a screw and secure wire bundles with the cable ties.

To apply with the cable ties :
VK 1 : Up to 5 mm. wide cable ties.





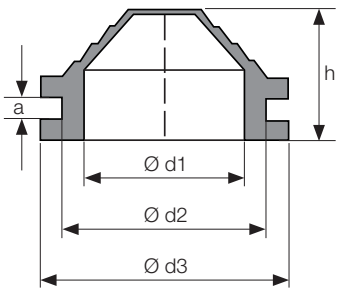


Type	Order No	Dimensions (mm)					Qty.
		A	B	H	D Ø	C	
VK 1	**542 110 B**	19	9,5	5	3,4	5	500
VK 1	**542 110 S**	19	9,5	5	3,4	5	500
VK 2	**542 120 B**	23	16	9	6	9	500
VK 2	**542 120 S**	23	16	9	6	9	500

Rubber Glands



Type	Order No	Dimensions (mm)				Qty.
		d1	d2	d3	H	
RR 11	**630 110**	10	16	22	13	100
RR 13,5	**630 135**	14	21	27	17,5	100
RR 16	**630 160**	17	23,5	29,5	17,5	100
RR 21	**630 210**	23	29	35	18,5	100
RR 29	**630 290**	29,5	38	44	21,5	100
RR 36	**630 360**	39,5	49	55	24,5	50
RR 42	**630 420**	49,5	59	66	30	50

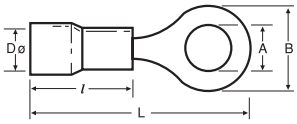


Insulated Terminals

Insulated Terminals are made of E-Cu with tin - plating.
Insulation parts are made of PVC.

Insulated Terminals / Ringtype

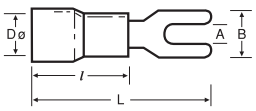




Order No	Type	Cross-Sec. (mm²)	A	B	DØ	L	l	Qty.
590 010	KYK - 301	0,5 - 1,5	3,2	5,5 ±0,2	4,3 ±0,3	17,5 ±1,0	10 ±0,5	100
590 011	KYK - 351	0,5 - 1,5	3,8	6,6 ±0,2	4,3 ±0,3	19,4 ±1,0	10 ±0,5	100
590 012	KYK - 401	0,5 - 1,5	4,4	6,6 ±0,2	4,3 ±0,3	19,6 ±1,0	10 ±0,5	100
590 013	KYK - 501	0,5 - 1,5	5,4	8,0 ±0,2	4,3 ±0,3	20,8 ±1,0	10 ±0,5	100
590 014	KYK - 601	0,5 - 1,5	6,5	11,9 ±0,2	4,3 ±0,3	27,0 ±1,0	10 ±0,5	100
590 015	KYK - 801	0,5 - 1,5	8,5	11,8 ±0,2	4,3 ±0,3	26,7 ±1,0	10 ±0,5	100
590 020	KYK - 302	1,5 - 2,5	3,4	6,6 ±0,2	4,8 ±0,3	17,8 ±1,0	10 ±0,5	100
590 021	KYK - 402	1,5 - 2,5	4,4	8,5 ±0,2	4,8 ±0,3	22,0 ±1,0	10 ±0,5	100
590 022	KYK - 502	1,5 - 2,5	5,4	9,6 ±0,2	4,8 ±0,3	21,8 ±1,0	10 ±0,5	100
590 023	KYK - 602	1,5 - 2,5	6,4	12 ±0,2	4,8 ±0,3	27,0 ±1,0	10 ±0,5	100
590 024	KYK - 802	1,5 - 2,5	8,5	12 ±0,2	4,8 ±0,3	27,0 ±1,0	10 ±0,5	100
590 025	KYK-1002	1,5 - 2,5	10,6	13,6 ±0,2	4,8 ±0,3	30,5 ±1,0	10 ±0,5	100
590 030	KYK - 406	4,0 - 6,0	4,4	9,5 ±0,2	6,7 ±0,3	26,6 ±1,0	13 ±0,5	100
590 031	KYK - 506	4,0 - 6,0	5,3	9,5 ±0,3	6,7 ±0,3	26,6 ±1,0	13 ±0,5	100
590 032	KYK - 606	4,0 - 6,0	6,4	12 ±0,2	6,7 ±0,3	29,5 ±1,0	13 ±0,5	100
590 033	KYK - 806	4,0 - 6,0	8,5	15 ±0,2	6,5 ±0,3	34,0 ±1,0	13 ±0,5	50
590 034	KYK-1006	4,0 - 6,0	10,6	15 ±0,2	6,7 ±0,3	33,8 ±1,0	13 ±0,5	50
590 035	KYK-1206	4,0 - 6,0	13,1	19,1 ±0,2	6,7 ±0,3	38,2 ±1,0	13 ±0,5	50

Insulated Terminals / Forktype

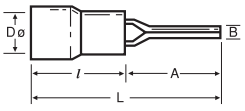




Order No	Type	Cross-Sec. (mm²)	A	B	DØ	L	l	Qty.
591 010	KCK - 301	0,5 - 1,5	3,3	5,7 ±0,2	4,3 ±0,3	21 ±1,0	10 ±0,5	100
591 011	KCK - 351	0,5 - 1,5	3,8	6,4 ±0,3	4,1 ±0,3	21 ±1,0	10 ±0,5	100
591 012	KCK - 401	0,5 - 1,5	4,4	6,4 ±0,2	4,3 ±0,3	21 ±1,0	10 ±0,5	100
591 013	KCK - 501	0,5 - 1,5	5,4	8,1 ±0,2	4,3 ±0,3	21 ±1,0	10 ±0,5	100
591 014	KCK - 601	0,5 - 1,5	6,6	9,5 ±0,2	4,3 ±0,3	21 ±1,0	10 ±0,5	100
591 021	KCK - 352	1,5 - 2,5	3,7	6 ±0,2	4,8 ±0,3	21 ±1,0	10 ±0,5	100
591 022	KCK - 402	1,5 - 2,5	4,4	6,4 ±0,2	4,8 ±0,3	21 ±1,0	10 ±0,5	100
591 023	KCK - 502	1,5 - 2,5	5,4	8,1 ±0,2	4,8 ±0,3	21 ±1,0	10 ±0,5	100
591 024	KCK - 602	1,5 - 2,5	6,5	12 ±0,3	4,9 ±0,3	27 ±1,0	10 ±0,5	100
591 030	KCK - 406	4,0 - 6,0	4,4	8,3 ±0,3	6,6 ±0,3	25,5 ±1,0	13 ±0,5	100
591 031	KCK - 506	4,0 - 6,0	5,4	9,0 ±0,3	6,7 ±0,3	25,5 ±1,0	13 ±0,5	100
591 032	KCK - 606	4,0 - 6,0	6,6	12 ±0,3	6,7 ±0,3	31,5 ±1,0	13 ±0,5	50

Insulated Terminals / Pinconnectors



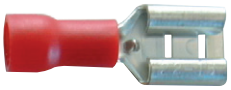


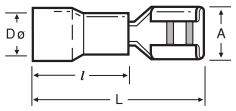
Order No	Type	Cross-Sec. (mm²)	A	B	DØ	L	l	Qty.
592 010	KIK 1/1,5	0,5 - 1,5	12,0 ±0,3	1,9 ±0,2	4,3 ±0,3	22,0 ±1,0	10,0 ±0,5	200
592 020	KIK 1/2,5	1,5 - 2,5	12,0 ±0,3	1,8 ±0,2	4,9 ±0,3	22,0 ±1,0	10,0 ±0,5	200
592 030	KIK 6	4,0 - 6,0	14,0 ±0,3	2,8 ±0,2	6,7 ±0,3	27,0 ±1,0	13,0 ±0,5	100

DØ: Do is the inner-Width for the isolation part.

Insulated Terminals

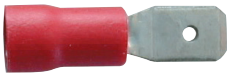
Insulated Terminals / Female Disconnect

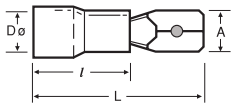




Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
593 010	KFD - 1288	0,5 - 1,5	3,2 +0,2 -0,05	3,4 ±0,3	18,8 ±1,0	10 ±0,5	100
593 011	KFD - 1488	0,5 - 1,5	5,00 +0,2 -0,05	3,4 ±0,3	18,8 ±1,0	10 ±0,5	100
593 012	KFD - 1638	0,5 - 1,5	6,7 ±0,2	3,4 ±0,3	20,5 ±1,0	10 ±0,5	100
593 020	KFD - 2488	1,5 - 2,5	5,00 +0,2 -0,05	4,1 ±0,3	19 ±1,0	10 ±0,5	100
593 021	KFD - 2638	1,5 - 2,5	6,7 ±0,2	4,1 ±0,3	20,4 ±1,0	10 ±0,5	100
593 022	KFDC - 2288	1,5 - 2,5	3,20 +0,2 -0,05	4,6 ±0,3	19 ±1,0	10,5 ±0,5	100
593 030	KFD - 5638	4,0 - 6,0	6,7 ±0,2	5,6 ±0,3	23,4 ±1,0	13 ±0,5	100

Insulated Terminals / Male Disconnect

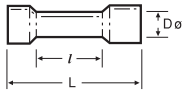




Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
594 010	KFE - 1288	0,5 - 1,5	2,8 ±0,2	4,1 ±0,3	18,7 ±1,0	10 ±1,0	100
594 011	KFE - 1488	0,5 - 1,5	4,8 ±0,2	3,5 ±0,3	19,2 ±1,0	10 ±0,5	100
594 012	KFE - 1638	0,5 - 1,5	6,35 ±0,2	3,4 ±0,3	21 ±1,0	10 ±0,5	100
594 020	KFE - 2488	1,5 - 2,5	4,8 ±0,2	4,1 ±0,3	19,4 ±1,0	10 ±1,0	100
594 021	KFE - 2638	1,5 - 2,5	6,35 ±0,2	4,1 ±0,3	21 ±1,0	10 ±1,0	100
594 030	KFE - 5638	4,0 - 6,0	6,35 ±0,2	5,6 ±0,3	24 ±1,0	13 ±0,5	100

Insulated Terminals / Butt Connectors

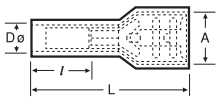




Order No	Type	Cross-Sec. (mm²)	DØ	L	l	Qty.
597 010	KME - 251	0,5 - 1,5	4,3 ±0,3	26,0 ±1,0	15,0 ±0,3	200
597 020	KME - 252	1,5 - 2,5	4,8 ±0,3	26,0 ±1,0	15,0 ±0,3	200
597 030	KME - 256	4,0 - 6,0	6,7 ±0,3	27,0 ±1,0	15,0 ±0,3	100

Fully Insulated Terminals / Female Disconnect





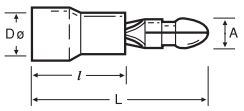
Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
595010	IKFD 1288	0,5 - 1,5	3,2 +0,2-0,05	3,4 ±0,3	18,5 ±1,0	10 ±0,5	100
595011	IKFD 1488	0,5 - 1,5	5,00 ±0,2	3,4 ±0,3	19 ±1,0	10 ±0,5	100
595012	IKFD 1638	0,5 - 1,5	6,7 ±0,2	3,4 ±0,3	22,6 ±1,0	10 ±0,5	100
595013	IKFDC 1638	0,5 - 1,5	6,7 ±0,2	3,9 ±0,3	22,6 ±1,0	10 ±0,5	100
595019	IKFDCY 1638	0,5 - 1,5	6,7 ±0,2	3,9 ±0,3	22,9 ±1,0	10 ±0,5	100
595020	IKFD 2488	1,5 - 2,5	5,0 +0,2-0,05	4,2 ±0,3	21,7 ±1,0	10 ±0,5	100
595021	IKFD 2638	1,5 - 2,5	6,7 ±0,2	4,1 ±0,3	22,8 ±1,0	10 ±0,5	100
595022	IKFDC 2638	1,5 - 2,5	6,7 ±0,2	4,7 ±0,3	22,4 ±1,0	10 ±0,5	100
595030	IKFD 5638	4,0 - 6,0	6,7 ±0,2	5,2 ±0,3	23,8 ±1,0	11 ±0,5	100
595031	IKFDC 5638	4,0 - 6,0	6,7 ±0,2	6,4 ±0,3	24 ±1,0	12 ±0,5	100

DØ: Do is the inner-Width for the isolation part.

Insulated Terminals

Insulated Terminals / Male Bullet

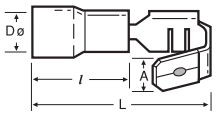




	Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
	598 010	KMT - 1040	0,5 - 1,5	4,0 ±0,2	3,4 ±0,3	21,5 ±1,0	10 ±0,5	200
	598 020	KMT - 2050	1,5 - 2,5	5,0 ±0,2	4,1 ±0,3	21,5 ±1,0	10 ±0,3	200
	598 030	KMT - 5050	4,0 - 6,0	5,0 ±0,2	5,6 ±0,3	24,5 ±1,0	13 ±0,3	100

Insulated Terminals / Piggy Back

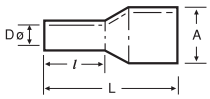




	Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
	596010	KPB 1638	0,5 - 1,5	6,5 ±0,2	3,4 ±0,3	21,5 ±1,0	10,2 ±0,5	200
	596011	KPBC 1638	0,5 - 1,5	6,5 ±0,2	4,0 ±0,3	22,0 ±1,0	10,5 ±0,5	200
	596020	KPB 2638	1,5 - 2,5	6,5 ±0,2	4,2 ±0,3	21,5 ±1,0	10,2 ±0,5	100
	596030	KPB 5638	4,0 - 6,0	6,3 ±0,2	5,5 ±0,3	24,0 ±1,0	12,7 ±0,5	100
	596031	KPBC 5638	4,0 - 6,0	6,4 ±0,2	6,2 ±0,3	24,8 ±1,0	13,0 ±0,5	100

Insulated Terminals / Female Bullet

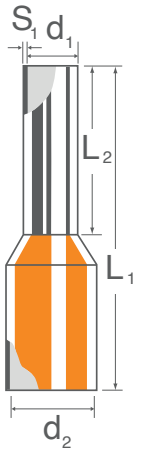




	Order No	Type	Cross-Sec. (mm²)	A	DØ	L	l	Qty.
	599 010	KFT - 1040	0,5 - 1,5	3,9 ±0,2	3,3 ±0,3	24,5 ±1,0	10,0 ±0,5	200
	599 020	KFT - 2050	1,5 - 2,5	4,9 ±0,2	3,9 ±0,3	25,0 ±1,0	10,0 ±0,5	200
	599 030	KFT - 5050	4,0 - 6,0	4,9 ±0,2	5,6 ±0,3	28,0 ±1,0	13,0 ±0,5	100

DØ: Do is the inner-Width for the isolation part.

Insulated End Sleeves - Standard DIN Series
Single Cord Insulated End Sleeves



Material: Insertion funnel is made of PA
Self-Extinguish
Metal cylinder is made of tin-plated copper (EN 13600)
Heat resistant: -40~105°C
ROHS Compliant

Standard: Dimensions and colours are compatible with DIN 46228 According to UL 486 requirements
Color Standard: French

Package: Transparent Box



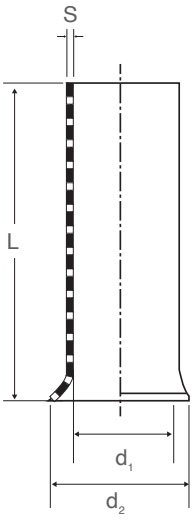
Insulated Type

Type	Cat. No	Color	Application for Cable Size		Stripped Length (mm)	Dimensions (mm)					Qty.
			mm²	AVG		S1	d1	d2	L1	L2	
IKY 0.25/8	**570002**	Light Blue	0.25	26	10	0.15	0.8	1.9	12.4	8	500
IKY 0.34/8	**570003**	Turquoise	0.34	24	10	0.15	0.8	1.9	12.4	8	500
IKY 0.50/8	**570010**	Orange	0.5	22	10	0.175	1	2.6	14	8	500
IKY 0.75/8	**570020**	White	0.75	20	10	0.175	1.2	2.8	14	8	500
IKY 1.0/8	**570030**	Yellow	1	18	10	0.175	1.4	3	14	8	500
IKY 1.5/8	**570040**	Red	1.5	16	10	0.2	1.7	3.5	14	8	500
IKY 1.5/10	**570041**	Red	1.5	16	12	0.2	1.7	3.5	16	10	500
IKY 1.5/12	**570042**	Red	1.5	16	14	0.2	1.7	3.5	18	12	500
IKY 1.5/18	**570043**	Red	1.5	16	20	0.2	1.7	3.5	24	18	500
IKY 2.5/8	**570050**	Blue	2.5	14	10	0.15	2.3	4.2	15	8	250
KY 2.5/12	**570051**	Blue	2.5	14	14	0.15	2.3	4.2	19	12	250
IKY 2.5/18	**570052**	Blue	2.5	14	20	0.15	2.3	4.2	25	18	250
IKY 4.0/9	**570060**	Grey	4	12	12	0.2	2.9	4.8	16	9	250
IKY 4.0/12	**570061**	Grey	4	12	14	0.25	2.8	4.8	19	12	250
IKY 4.0/18	**570062**	Grey	4	12	20	0.25	2.8	4.8	25	18	250
IKY 6.0/12	**570070**	Black	6	10	14	0.25	3.5	6	20	12	100
IKY 6.0/18	**570071**	Black	6	10	20	0.25	3.5	6	26	18	100
IKY 10.0/12	**570080**	Ivory	10	8	14	0.25	4.5	7.4	22	12	100
IKY 10.0/18	**570081**	Ivory	10	8	20	0.25	4.5	7.4	28	18	100
IKY 16.0/12	**570090**	Green	16	6	14	0.25	5.8	8.8	24	12	50
IKY 16.0/18	**570091**	Green	16	6	20	0.25	5.8	8.8	28	18	50
IKY 25.0/16	**570100**	Brown	25	4	18	0.15	7.5	11.2	30	16	20
IKY 35.0/16	**570110**	Beige	35	2	19	0.25	8.3	12.7	30	16	20
IKY 50.0/20	**570120**	Olive Green	50	1/0	25	0.3	10.4	15.2	35	20	20
IKY 0.25/8	**570002F**	Violet	0.25	26	10	0.15	0.8	1.9	12.4	8	500
IKY 0.34/8	**570003F**	Pink	0.34	24	10	0.15	0.8	1.9	12.4	8	500
IKY 0.50/8	**570010F**	White	0.5	22	10	0.175	1	2.6	14	8	500
IKY 0.75/8	**570020F**	Blue	0.75	20	10	0.175	1.2	2.8	14	8	500
IKY 1.0/8	**570030F**	Red	1	18	10	0.175	1.4	3	14	8	500
IKY 1.5/8	**570040F**	Black	1.5	16	10	0.2	1.7	3.5	14	8	500
IKY 2.5/8	**570050F**	Grey	2.5	14	10	0.15	2.3	4.2	15	8	250
IKY 4.0/9	**570060F**	Orange	4	12	12	0.2	2.9	4.8	16	9	250
IKY 6.0/12	**570070F**	Green	6	10	14	0.25	3.5	6	20	12	100
IKY 10.0/12	**570080F**	Brown	10	8	14	0.25	4.5	7.4	22	12	100
IKY 16.0/12	**570090F**	Ivory	16	6	14	0.25	5.8	8.8	24	12	50
IKY 25.0/16	**570100F**	Black	25	4	18	0.15	7.5	11.2	30	16	20
IKY 35.0/16	**570110F**	Red	35	2	19	0.25	8.3	12.7	30	16	20
IKY 50.0/20	**570120F**	Blue	50	1/0	25	0.35	10.3	15	36	20	20
IKY 0.50/8 ECO	**570010E**	Orange	0.5	22	10	0.175	1	2.6	14	8	5000
IKY 0.75/8 ECO	**570020E**	White	0.75	20	10	0.175	1.2	2.8	14	8	5000
IKY 1.0/8 ECO	**570030E**	Yellow	1	18	10	0.175	1.4	3	14	8	5000
IKY 1.5/8 ECO	**570040E**	Red	1.5	16	10	0.2	1.7	3.5	14	8	5000
IKY 2.5/8 ECO	**570050E**	Blue	2.5	14	10	0.15	2.3	4.2	15	8	5000

End Sleeves

Insulated Type

Type	Cat. No	Color	Application for Cable Size		Stripped Length (mm)	Dimensions (mm)					Qty.
			mm²	AVG		S1	d1	d2	L1	L2	
IKY 4.0/9 ECO	**570060E**	Grey	4	12	12	0.2	2.9	4.8	16	9	5000
IKY 6.0/12 ECO	**570070E**	Black	6	10	14	0.25	3.5	6	20	12	2000
IKY 10.0/12 ECO	**570080E**	Ivory	10	8	14	0.25	4.5	7.4	22	12	2000
IKY 16.0/12 ECO	**570090E**	Green	16	6	14	0.25	5.8	8.8	24	12	1000
IKY 25.0/16 ECO	570100E	Brown	25	4	18	0.15	7.5	11.2	30	16	500
IKY 35.0/16 ECO	570110E	Beige	35	2	19	0.25	8.3	12.7	30	16	500
IKY 50.0/20 ECO	570120E	Olive green	50	1/0	25	0.3	10.4	15.2	35	20	200

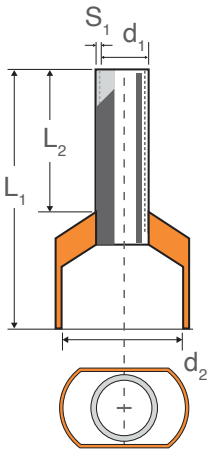


Uninsulated end sleeves are made of E-Cu with tin-plating as per DIN 46228/1.

Uninsulated Type

Type	Cat. No	Application for Cable Size		Stripped Length (mm)	Dimensions (mm)				Qty.
		mm²	AVG		S	d1	d2	L	
KY 0.5/10	**571010**	0.5	22	11	0.15	1	1.6	10	1000
KY 0.75/10	**571020**	0.75	20	11	0.15	1.3	1.9	10	1000
KY 1.0/10	**571030**	1	18	11	0.15	1.15	2.2	10	1000
KY 1.5/10	**571040**	1.5	16	11	0.15	1.7	2.4	10	1000
KY 2.5/12	**571050**	2.5	14	13	0.15	2.3	3.2	12	1000
KY 4.0/12	**571060**	4	12	13	0.2	2.8	3.9	12	500
KY 6.0/12	**571070**	6	10	13	0.2	3.5	4.8	12	250
KY 10.0/12	**571080**	10	8	13	0.2	4.5	5.8	12	250
KY 16.0/12	**571090**	16	6	13	0.2	5.8	7.2	12	100
KY 0.50/10 ECO	**571010E**	0.5	22	11	0.15	1	1.6	10	5000
KY 0.75/10 ECO	**571020E**	0.75	20	11	0.15	1.3	1.9	10	5000
KY 1.0/10 ECO	**571030E**	1	18	11	0.15	1.15	2.2	10	5000
KY 1.5/10 ECO	**571040E**	1.5	16	11	0.15	1.7	2.4	10	5000
KY 2.5/12 ECO	**571050E**	2.5	14	13	0.15	2.3	3.2	12	5000
KY 4.0/12 ECO	**571060E**	4	12	13	0.2	2.8	3.9	12	2000
KY 6.0/12 ECO	**571070E**	6	10	13	0.2	3.5	4.8	12	2000
KY 10.0/12 ECO	**571080E**	10	8	13	0.2	4.5	5.8	12	1000
KY 16.0/12 ECO	**571090E**	16	6	13	0.2	5.8	7.2	12	1000

Twin Cord end Terminals



Type	Cat. No	Color	Application for Cable Size		Stripped Length (mm)	Dimensions (mm)					Qty.
			mm²	AVG		S1	d1	d2	L1	L2	
IKY 2x0.50/8	**572010**	Orange	0.5x2	22x2	9.5	0.15	1.5	4.8	15	8	500
IKY 2x0.75/8	**572020**	White	0.75x2	20x2	9.5	0.15	1.8	5	15	8	500
IKY 2x1.0/8	**572030**	Yellow	1.0x2	18x2	9.5	0.15	2.1	5.3	15	8	500
IKY 2x1.5/8	**572040**	Red	1.5x2	16x2	9.5	0.15	2.3	6.4	16	8	250
IKY 2x2.5/10	**572050**	Blue	2.5x2	14x2	11.5	0.2	2.9	7.8	18.5	10	200
IKY 2x4.0/12	**572060**	Grey	4.0x2	12x2	13.5	0.2	3.8	8.8	23	12	100
IKY 2x6.0/14	**572070**	Black	6.0x2	10x2	15.5	0.2	4.9	9.5	26	14	75
IKY 2x10.0/14	**572080**	Ivory	10.0x2	8x2	15.5	0.2	6.5	12.6	26	14	50
IKY 2x16.0/14	**572090**	Green	16.0x2	6x2	15.5	0.2	8.3	19	30.3	14	20
IKY 2x0.50/8 ECO	**572010E**	Orange	0.5x2	22x2	9.5	0.15	1.5	4.8	15	8	2500
IKY 2x0.75/8 ECO	**572020E**	White	0.75x2	20x2	9.5	0.15	1.8	5	15	8	2500
IKY 2x1.0/8 ECO	**572030E**	Yellow	1.0x2	18x2	9.5	0.15	2.1	5.3	15	8	2500
IKY 2x1.5/8 ECO	**572040E**	Red	1.5x2	16x2	9.5	0.15	2.3	6.4	16	8	2500
IKY 2x2.5/10 ECO	**572050E**	Blue	2.5x2	14x2	11.5	0.2	2.9	7.8	18.5	10	2000
IKY 2x4.0/12 ECO	**572060E**	Grey	4.0x2	12x2	13.5	0.2	3.8	8.8	23	12	1000
IKY 2x6.0/14 ECO	**572070E**	Black	6.0x2	10x2	15.5	0.2	4.9	9.5	26	14	750
IKY 2x10.0/14 ECO	**572080E**	Ivory	10.0x2	8x2	15.5	0.2	6.5	12.6	26	14	500
IKY 2x16.0/14 ECO	**572090E**	Green	16.0x2	6x2	15.5	0.2	8.3	19	30.3	14	200

RoHS COMPLIANT

Hand Tools

Crimping Tools



Order No	Product	Cable Cross-Section	Crimping Technic	Terminal Insertion	Self-Adjustment	Qty.
562 113	CRIMPER 6	0,08-16mm²	Linear	Front	Automatic	1

- Automatic adjustment to the wire cross-sections
- Continuous precision crimp over the full length of the ferrule
- Full cycle ratchet operation (with release) assuring a complete crimp
- Perfect fit to hand ergonomics
- Patented crimping technology

Terminal / Connector Type



Crimping Profile





Order No	Product	Cable Cross-Section	Crimping Technic	Terminal Insertion	Self-Adjustment	Qty.
562 125	CRIMPER F 10 R	0,08-10 mm² (28-8 AWG)	Linear	Side	Automatic	1

- Crimping of wire end ferrules with or without insulation
- High-precision crimping results
- Ergonomically designed soft handles with non-slip grip material for comfortable working.

Terminal / Connector Type



Crimping Profile





Order No	Product	Cable Cross-Section	Crimping Technic	Terminal Insertion	Self-Adjustment	Qty.
562 126	CRIMPER F 10 L	0,08-16 mm² (28-5 AWG)	Linear	Front	-	1

- Automatic adjustment to the wire cross-sections
- High precision crimping
- Releasable ratchet ensures the complete crimping process
- Ergonomically designed soft handles with non-slip grip material for comfortable working.

Terminal / Connector Type



Crimping Profile





Order No	Product	Cable Cross-Section	Crimping Technic	Terminal Insertion	Self-Adjustment	Qty.
562 124	CRIMPER N 16 H	0,08-16 mm²	Linear	Side	-	1

- Automatic adjustment between 0,08 - 16 mm²
- Required hand force reduced by 30%
- Hexagonal crimping
- Releasable ratchet ensures the complete crimping process
- Ergonomically designed soft handles with non-slip grip material for comfortable working.

Terminal / Connector Type



Crimping Profile





Order No	Product	Cable Cross-Section	Qty.
562 117	CRIMPER N 16 L	0,14-10 mm² (26-8 AWG)	1

- Releasable ratchet ensures the complete crimp process
- Special-designed ergonomic handles prevents slipping
- Ergonomically designed soft handles with non-slip grip material for comfortable working.

Terminal / Connector Type



Crimping Profile



Hand Tools

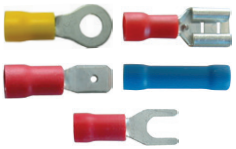
Crimping Tools



Order No	Product	Crimping Range	Qty.
562 120	CRIMPER IT 6 S	Red 0,5-1,0 (20-18 AWG) Blue 1,5-2,5 (16-14 AWG) Yellow 4,0-6,0(12-10 AWG)	1

• Red/blue/yellow round type DIN cable lugs, pin cable lugs, female FASTON cable lugs, male FASTON cable lugs, male terminals, cable joints
• Ergonomically designed soft handles with non-slip grip material for comfortable working.

Terminal / Connector Type



Crimping Profile



Cable Strippers



Order No	Product	Cable Cross-Section	Terminal Insertion	Qty.
562 114	STRIPPER 16	0,03-16 mm²	Front	1

• Striping and cutting of stranded and solid wires with PVC insulation of 0,03 to 16 mm²
• Self-adjustment for all cross-sections with POWER PLUS feature
• Adjustable stripping length 3 - 21 mm
• Ergonomically designed soft handles with non-slip grip material for comfortable working.

Spare Knife Set - 562127





Order No	Product	Cable Cross-Section	Terminal Insertion	Qty.
562 123	STRIPPER 28 C	Ø4,5 – 29 mm	-	1

• Cable stripping as lane with patented stripping mode
• Maximum performance with less effort
• High strength special steel







Hand Tools

Cable Cutting Tools



Order No	Product	Cable Cross-Section	Qty.
562 110	CUTTER 16	0,03 mm² to 70 mm²	1

- For burr-free cutting of standard wire cables
- Wide application range from 0,03 up to 70 mm²
- Blades with serrated edge
- Low hand force
- Soft-grips



Order No	Product	Cable Cross-Section	Qty.
562 122	CUTTER 32	300 mm² to 380 mm²	1

- High tempered special steel
- Locking lever
- Step-wise and burr-free cutting
- Unlocking possibility in every position
- Hand tool model
- Ergonomically designed soft handles with non-slip grip material for comfortable working.

Hand Tools

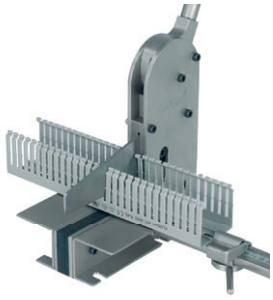
Wiring Duct Cutting Tool



Order No	Product	Qty.
553 230	KKMR	1

- Burr-free cutting of wiring ducts and wiring duct covers
- Straight or 45º cutting options
- Equal force distribution across blades helps homogenous cutting
- Cutting up to 100 mm width

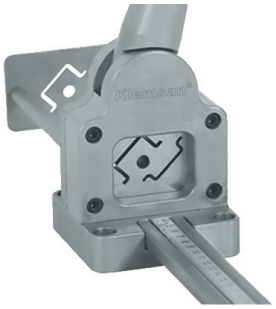
Wiring Duct Cutting Tool



Order No	Product	Cutting Type	Max. Width	Length Adjustment	Qty.
553 220	KMK 1002	Straight	125 mm	100 cm	1

- Cover cutting
- Burr-free cutting
- Non-blunting knife
- Length adjustment guide
- Cutting up to 125 mmwid

Rail Cutting Tool



Order No	Product	Cutting Thickness	Cutting Capacity	Length Adjustment	Qty.
500 650	KRKM	1,5 mm	7.5x35 mm 15x35 mm Tij Ø8mm	100 cm	1

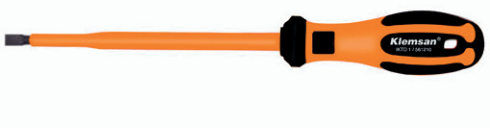
- 3 different cutting slots
- Clean Cut
- Lossless cutting
- Non-blunting knife
- Length adjustment guide

Non - Isolated Screwdrivers



Order No	Product	Description	Qty.
560 130	KTD 1	2,5x75 - Flat	1
560 140	KTD 2	3,0x100 - Flat	1
560 150	KTD 3	3,5x100 - Flat	1
560 160	KTD 4	4,0x125 - Flat	1
560 170	KTD 5	5,5x150 - Flat	1

Isolated Screwdrivers



Order No	Product	Description	Qty.
561 210	IKTD 1	2,5x75 - Flat	1
561 220	IKTD 2	3,0x100 - Flat	1
561 230	IKTD 3	3,5x100 - Flat	1
561 240	IKTD 4	4,0x125 - Flat	1
561 250	IKTD 5	5,5x150 - Flat	1
561 260	IKTD 6	6,5x200 - Flat	1

Main Tester



Order No	Product	Description	Qty.
561 110	KK 1	140 mm	1
561 120	KK 2	180 mm	1

CE Sign

The letters CE stand for Comformite Europeene. CE sign confirms that a product meets the demands of all relevant guidelines and regulations of the European Union (EU), and declares a product is appropriate for human security and health. The products of Klemsan are subject to below directives:

1- Low Voltage Directive (LVD) - 73/23 EEC
This directive includes electrical devices which function in the range of 50-1000 V (alternative current) and 75-1500 V (direct current).

2- Equipment for use in potentially Explosive Atmospheres (ATEX) - 94/9 EEC. ATEX is the name commonly given to the framework for controlling explosive atmospheres and the standards of equipment and protective systems used in them.

RoHS

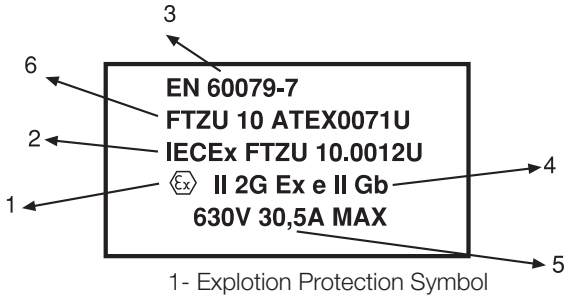
The RoHS Directive stands for "Restriction of the use of certain Hazardous Substances in electrical and electronic equipment". This Directive bans the placing on the EU market of new electrical and electronic equipment containing more than agreed levels of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants. The permitted ratios are below:

Cd - Cadmium - %0,01 ppm
Hg - Mercury - %0,1 ppm
Cr(VI) - Hexavalent chromium (coating) - %0,1 ppm
PBB - Polybrominated biphenyl (flame retardant) - %0,1 ppm
PBDE - Polybrominated diphenyl ether (flame retardant) - %0,1 ppm
Pb - Lead - %0,1 ppm
ppm: parts per million (in total weight)
Klemsan has developed some processes and components in accordance with RoHS Directives in 2006, and had its products tested in the approved laboratories, and achieved RoHS Conformity Approvals.

Pollution Severities

Pollution SeveATEX Directives regulating the “94/9/EC - use of equipment in potentially explosive atmospheres was put into force on December 1st 2003 by the European Union. By this directive, rated values for normal operating conditions have been revised for potentially explosive areas.

Below figure illustrates and verbalizes the meaning of the labels ATEX certificated products:



1- Explotion Protection Symbol
2- International Explosive Protection Certificate Number
3- Standard Referance Number
4- a-Equipment Group II
b-Product Category 2 - for usage in zone 1 and/ or 2
c-Approval for applications in gas (G) environment
d- "e" class for having increased safety category
5- Rated voltage and current values
6- Notified body name

EQUIPMENT GROUP
1- Mines
2- Other industry branches

CLASSIFICATION OF POTENTIALLY EXPLOSIVE AREAS

ZONE 0: Places where the potential for explosion is high and duration is long under normal operating conditions
ZONE 1: Places where the potential for explosion is low and duration is short under normal operating conditions
ZONE 2: Places where there is no potential for explosion under normal operating conditions or low potential for explosion with short duration under defect, repair and maintenance situations.

“e” CLASS INCREASED SAFETY
This is an application where the precautions are taken although there is no arc occurring under normal operating conditions. Security of the device is increased one step further. This application is used in environments with no danger of high temperature under normal operations e.g. in terminal block Boxes, cable connections. Such products do not need to be pressure resistant; it is sufficient to get their IP degree up to a level that assures water and humidity resistance.

Reach Directive

As the name implies, the 2006/1907/EC REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) directive, adopted by the European Union on 1 June 2007, obliges companies that produce, import or use chemical substances to register these substances and their uses and determine any related dangers and risks if required.



European Chemical Agency (ECHA) will publish the lists of SVHC (Substances of very high concern)

As of 01 December 2011, companies exporting goods into the EU must give a declaration to ECHA about their usage of SCVH as to whether the goods contain these materials in more than %0.1 SVHC as concentration/weight and more than 1 ton/year SVHC.

The European Union, by these directives, aims to record all the chemicals used in the industry and investigating these chemicals as to whether they have any hazardous effect on human health and environment, it can restrict or prohibit the usage of some chemicals in the industry.

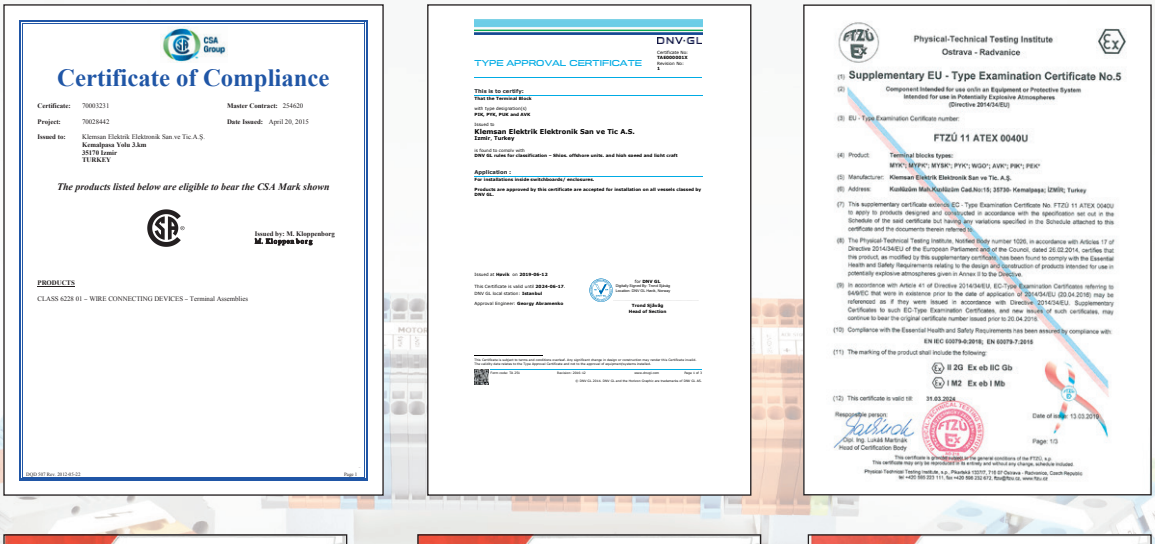
Important Notice

- Klemsan Inc. reserves the rights for any changes in this catalogue.
- For the products that are not included in our catalogue please contact with our Trade Department.
- Figures and technical specs in this catalogue are only for general purpose.
- Our products are assembled to be in accordance with EC technical regulations and correspond to the national and international standards. All our products are fabricated in our ISO 9001 and ISO 14001 certified manufacturing plants.

- For further information on the certificates: Tel : +90 (232) 877 08 00 • Fax: +90 (232) 877 08 06

- All terminal blocks within the scope of this product catalog are compatible with the Rules for the classification and construction of sea going ships, the Technical Regulation Concerning the safety of Sea Transport Items (TR-620)

ISO 50001- ISO 9001 - ISO 14001



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