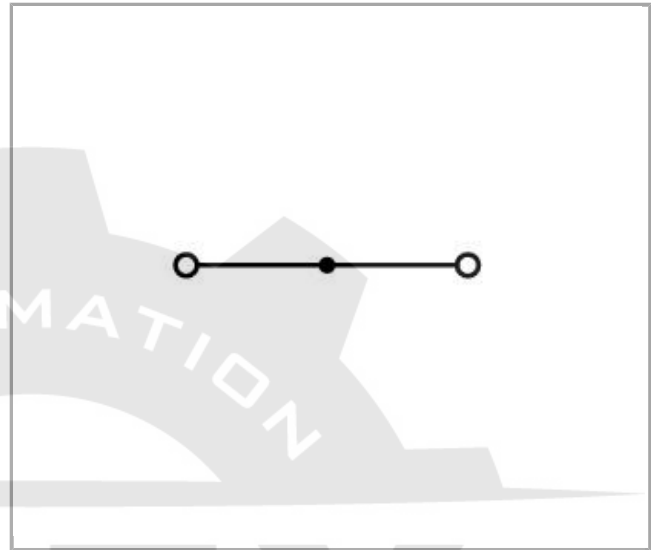
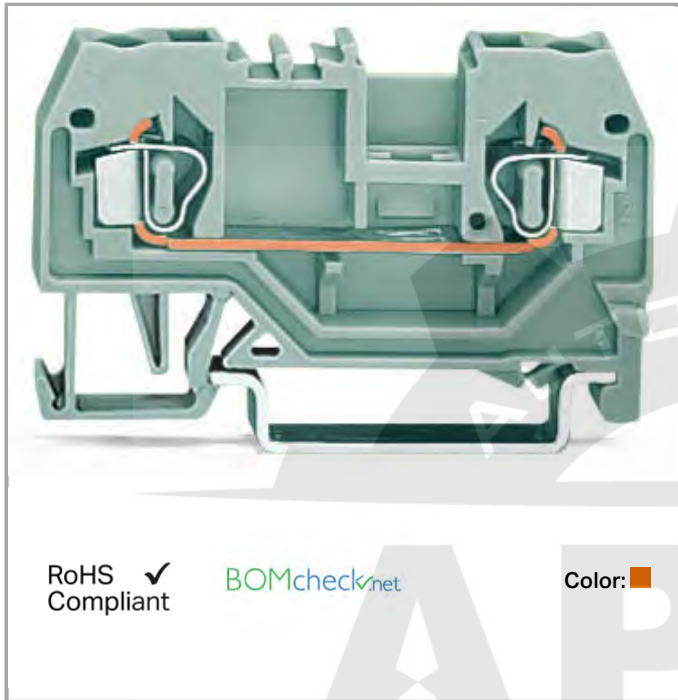


Data sheet | Item number: 280-902

2-conductor through terminal block; 2.5 mm²; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®



280-902



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

Item description

Note:

Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:

2.5 mm² (14 AWG) = 16 A

4 mm² (12 AWG) = 22 A

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated current	24 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Aluminum
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Note (conductor cross-section)	12 AWG: THHN, THWN
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Type of wiring	Front-entry wiring

Geometrical Data

Width	5 mm / 0.197 inch
Height from upper-edge of DIN-35 rail	28 mm / 1.102 inch
Depth	53 mm / 2.087 inch

Mechanical data

Design	horizontal
Type of mounting	DIN-35 rail
Marking level	Center marking

Material Data

Color	orange
Insulating material	Polyamide 66 (PA 66)
Fire load	0.106 MJ
Weight	5.61 g

Commercial data

Country of origin	DE
GTIN	4044918391788
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	2157201.01
	CSA DEKRA Certification B.V.	C22.2	1536071

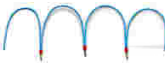
Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	14-HG1293677-PDA
	BV Bureau Veritas S.A.	EN 60947	07436/E0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	20170731-E45172

Compatible products

Jumper		
	Item no.: 210-103 Wire commoning chain; insulated; 50 connections	210-103
	Item no.: 210-123 Wire commoning chain; insulated; 50 connections	210-123
	Item no.: 249-123 Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm²	249-123
	Item no.: 249-125 Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm²	249-125
	Item no.: 249-126 Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm²	249-126
	Item no.: 249-127 Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm²	249-127
	Item no.: 280-402 Adjacent jumper; insulated; IN = IN terminal block	280-402
	Item no.: 280-409 Alternate jumper; insulated; IN = IN terminal block	280-409
	Item no.: 280-422 Adjacent jumper; insulated; IN = IN terminal block	280-422
	Item no.: 280-482 Comb-style jumper bar; insulated; 2-way; IN = IN terminal block	280-482
	Item no.: 280-483 Comb-style jumper bar; insulated; 3-way; IN = IN terminal block	280-483
	Item no.: 280-484 Comb-style jumper bar; insulated; 4-way; IN = IN terminal block	280-484
	Item no.: 280-485 Comb-style jumper bar; insulated; 5-way; IN = IN terminal block	280-485



Item no.: 280-490
Comb-style jumper bar; insulated; 10-way; IN = IN terminal block

280-490



Item no.: 280-492
Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block

280-492



Item no.: 284-414
Step-down jumper; insulated; from 10/6 mm² to 4/2.5/1.5 mm²; Nominal current 15 A

284-414



Item no.: 709-110
Wire commoning chain; insulated; 4 connections; 3 x 110 mm

709-110



Item no.: 709-111
Wire commoning chain; insulated; 3 connections; 2 x 120 mm

709-111



Item no.: 709-112
Wire commoning chain; insulated; 3 connections; 2 x 170 mm

709-112



Item no.: 780-452
Staggered jumper; insulated; from 1 to 2; Spacing: 5 mm; suitable for 2-conductor female plugs

780-452



Item no.: 780-453
Staggered jumper; insulated; from 1 to 3; Spacing: 5 mm; suitable for 2-conductor female plugs

780-453



Item no.: 780-454
Staggered jumper; insulated; from 1 to 4; Spacing: 5 mm; suitable for 2-conductor female plugs

780-454



Item no.: 780-455
Staggered jumper; insulated; from 1 to 5; Spacing: 5 mm; suitable for 2-conductor female plugs

780-455



Item no.: 780-456
Staggered jumper; insulated; from 1 to 6; Spacing: 5 mm; suitable for 2-conductor female plugs

780-456



Item no.: 780-457
Staggered jumper; insulated; from 1 to 7; Spacing: 5 mm; suitable for 2-conductor female plugs

780-457



Item no.: 780-458
Staggered jumper; insulated; from 1 to 8; Spacing: 5 mm; suitable for 2-conductor female plugs

780-458

Marking accessories



Item no.: 2009-115
WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115



Item no.: 2009-115/000-002
WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115

/UUU-UUZ



Item no.: 2009-115/000-006
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115

/UUU-UUB



Item no.: 2009-115/000-007
WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115

/UUU-UU7



Item no.: 2009-115/000-012
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115

/UUU-U1Z

	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-017	2009-115
	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-023	2009-115
	Item no.: 2009-115/000-024 WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type	/000-024	2009-115
	Item no.: 209-128 Adaptor		209-128
	Item no.: 209-140 Group marker carrier		209-140
	Item no.: 209-141 Group marker carrier		209-141
	Item no.: 209-142 Group marker carrier		209-142
	Item no.: 209-185 Adaptor		209-185
	Item no.: 210-612 Marking strips; for self-marking; plain; Self-adhesive		210-612
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type		793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type	/000-002	793-501
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type	/000-005	793-501
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type	/000-006	793-501
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type	/000-007	793-501
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type	/000-012	793-501
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type	/000-017	793-501
	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type	/000-023	793-501

**Item no.: 793-501/000-024**

WMB marking card; as card; not stretchable; plain; snap-on type

/000-024

793-501

**Item no.: 793-5501**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

793-5501

**Item no.: 793-5501/000-002**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type

/000-002

793-5501

**Item no.: 793-5501/000-005**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-005

793-5501

**Item no.: 793-5501/000-006**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-006

793-5501

**Item no.: 793-5501/000-007**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-007

793-5501

**Item no.: 793-5501/000-012**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-012

793-5501

**Item no.: 793-5501/000-017**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-017

793-5501

**Item no.: 793-5501/000-023**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-023

793-5501

**Item no.: 793-5501/000-024**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-024

793-5501

ferrule**Item no.: 216-101**Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

216-101

**Item no.: 216-102**Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

216-102

**Item no.: 216-103**Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

216-103

**Item no.: 216-104**Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated

216-104

**Item no.: 216-201**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated

216-201

**Item no.: 216-202**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated

216-202

	Item no.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated	216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated	216-204
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated	216-302
Carrier rail		
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm	210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm	210-115
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-118
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715	210-196
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	210-508
End plate		
	Item no.: 280-308 End and intermediate plate; 2.5 mm thick	280-308
	Item no.: 280-309 End and intermediate plate; 2.5 mm thick	280-309
	Item no.: 280-310 Separator plate; 2 mm thick; oversized	280-310

	Item no.: 280-311 Separator plate; 2 mm thick; oversized	280-311
	Item no.: 284-334 Step-down cover plate; 1 mm thick; for 2-, 3- and 4-conductor terminal blocks	284-334
	Item no.: 284-344 Step-down cover plate; 1 mm thick; for 2-, 3- and 4-conductor terminal blocks	284-344
General accessories		
	Item no.: 231-162/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 2-pole / 003-000	231-162
	Item no.: 231-163/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 3-pole / 003-000	231-163
	Item no.: 231-164/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 4-pole / 003-000	231-164
	Item no.: 231-165/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 5-pole / 003-000	231-165
	Item no.: 231-166/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 6-pole / 003-000	231-166
	Item no.: 231-167/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 7-pole / 003-000	231-167
	Item no.: 231-168/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 8-pole / 003-000	231-168
	Item no.: 231-169/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 9-pole / 003-000	231-169
	Item no.: 231-170/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 10-pole / 003-000	231-170
	Item no.: 231-171/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 11-pole / 003-000	231-171
	Item no.: 231-172/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 12-pole / 003-000	231-172
	Item no.: 231-176/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 16-pole / 003-000	231-176

**Item no.: 231-180/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 20-pole /003-000

231-180

**Item no.: 231-668**

Lockout caps; for covering unused clamping units

231-668

**Item no.: 231-669**

Lockout caps; for covering unused clamping units

231-669

**Item no.: 249-105**

Group marker carrier

249-105

**Item no.: 280-404**Test plug adapter; 5 mm wide; for test plug 210-137 (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs

280-404

**Item no.: 280-418**

Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar

280-418

**Item no.: 280-419**

Spacer module; modular; bridging commoned terminal blocks

280-419

**Item no.: 721-162/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole /003-000

721-162

**Item no.: 721-163/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole /003-000

721-163

**Item no.: 721-164/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole /003-000

721-164

**Item no.: 721-165/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole /003-000

721-165

**Item no.: 721-166/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole /003-000

721-166

**Item no.: 721-167/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole /003-000

721-167

**Item no.: 721-168/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole /003-000

721-168

**Item no.: 721-169/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole /003-000

721-169

**Item no.: 721-170/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole /003-000

721-170

Item no.: 721-171/003-000

	Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole	/003-000	721-171
	Item no.: 721-172/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole	/003-000	721-172
	Item no.: 721-173/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 13-pole	/003-000	721-173
	Item no.: 721-174/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole	/003-000	721-174
	Item no.: 721-175/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole	/003-000	721-175
	Item no.: 721-176/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole	/003-000	721-176
	Item no.: 721-180/003-000 Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole	/003-000	721-180
Female plug			
	Item no.: 232-132/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 2-pole	/005-000	232-132
	Item no.: 232-132/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 3-pole	/005-000/039-000	232-132
	Item no.: 232-133/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 3-pole	/005-000	232-133
	Item no.: 232-133/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 3-pole	/005-000/039-000	232-133
	Item no.: 232-134/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 4-pole	/005-000	232-134
	Item no.: 232-134/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 4-pole	/005-000/039-000	232-134
	Item no.: 232-135/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 5-pole	/005-000	232-135

**Item no.: 232-135/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 5-pole

232-135

/005-000/039-000

**Item no.: 232-136/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 6-pole

232-136

/005-000

**Item no.: 232-136/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 6-pole

232-136

/005-000/039-000

**Item no.: 232-137/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 7-pole

232-137

/005-000

**Item no.: 232-137/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 7-pole

232-137

/005-000/039-000

**Item no.: 232-138/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 8-pole

232-138

/005-000

**Item no.: 232-138/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 8-pole

232-138

/005-000/039-000

**Item no.: 232-139/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 9-pole

232-139

/005-000

**Item no.: 232-139/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 9-pole

232-139

/005-000/039-000

**Item no.: 232-140/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 10-pole

232-140

/005-000

**Item no.: 232-140/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 10-pole

232-140

/005-000/039-000

**Item no.: 232-142/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 12-pole

232-142

/005-000

**Item no.: 232-142/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 12-pole

232-142

/005-000/039-000

**Item no.: 232-146/005-000**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 16-pole

232-146

/005-000

Item no.: 232-146/005-000/039-000

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 16-pole

232-146

/005-000/039-000

**Item no.: 232-147/005-000/039-000****232-147**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 17-pole / 005-000/039-000

**Item no.: 232-150/005-000****232-150**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 20-pole / 005-000

**Item no.: 232-150/005-000/039-000****232-150**

Female connector for rail-mount terminal blocks; straight; Locking lever; Pin spacing 5 mm; 20-pole / 005-000/039-000

**Item no.: 232-232/005-000****232-232**

Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 2-pole / 005-000

**Item no.: 232-232/005-000/039-000****232-232**

Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 2-pole / 005-000/039-000

**Item no.: 232-233/005-000****232-233**

Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 3-pole / 005-000

**Item no.: 232-233/005-000/039-000****232-233**

Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 3-pole / 005-000/039-000

**Item no.: 232-234/005-000****232-234**

Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 4-pole / 005-000

**Item no.: 232-234/005-000/039-000****232-234**

Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 4-pole / 005-000/039-000

**Item no.: 232-235/005-000****232-235**

Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 5-pole / 005-000

**Item no.: 232-235/005-000/039-000****232-235**

Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 5-pole / 005-000/039-000

**Item no.: 232-236/005-000****232-236**

Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 6-pole / 005-000

**Item no.: 232-236/005-000/039-000****232-236**

Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 6-pole / 005-000/039-000

**Item no.: 232-237/005-000****232-237**

Female connector for rail-mount terminal blocks; straight; Pin spacing 5 mm; 7-pole / 005-000

	Item no.: 232-238/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 8-pole	232-238 /005-000
	Item no.: 232-239/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 9-pole	232-239 /005-000
	Item no.: 232-240/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 10-pole	232-240 /005-000
	Item no.: 232-240/005-000/039-000 Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 10-pole	232-240 /005-000/039-000
	Item no.: 232-242/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 12-pole	232-242 /005-000
	Item no.: 232-242/005-000/039-000 Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 12-pole	232-242 /005-000/039-000
	Item no.: 232-246/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 16-pole	232-246 /005-000
	Item no.: 232-246/005-000/039-000 Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 16-pole	232-246 /005-000/039-000
	Item no.: 232-250/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 5 mm; 20-pole	232-250 /005-000
	Item no.: 232-250/005-000/039-000 Female connector for rail-mount terminal blocks; angled; Locking lever; Pin spacing 5 mm; 20-pole	232-250 /005-000/039-000
	Item no.: 232-732/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 2-pole	232-732 /005-000
	Item no.: 232-733/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 3-pole	232-733 /005-000
	Item no.: 232-734/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 4-pole	232-734 /005-000
	Item no.: 232-734/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 4-pole	232-734 /005-000/039-000
	Item no.: 232-735/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 5-pole	232-735 /005-000

	Item no.: 232-735/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 5-pole	232-735 /005-000/039-000
	Item no.: 232-736/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 6-pole	232-736 /005-000
	Item no.: 232-736/005-000/039-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 6-pole	232-736 /005-000/039-000
	Item no.: 232-738/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 8-pole	232-738 /005-000
	Item no.: 232-740/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 10-pole	232-740 /005-000
	Item no.: 232-742/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 12-pole	232-742 /005-000
	Item no.: 232-832/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 7.5 mm; 2-pole	232-832 /005-000
	Item no.: 232-833/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 7.5 mm; 3-pole	232-833 /005-000
	Item no.: 232-834/005-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 7.5 mm; 4-pole	232-834 /005-000
	Item no.: 232-836/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 6-pole	232-836 /005-000
	Item no.: 232-836/005-000/039-000 Female connector for rail-mount terminal blocks; angled; Pin spacing 7.5 mm; 6-pole	232-836 /005-000/039-000
	Item no.: 232-840/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 10-pole	232-840 /005-000
	Item no.: 232-842/005-000 Female connector for rail-mount terminal blocks; straight; Pin spacing 7.5 mm; 12-pole	232-842 /005-000
	Item no.: 722-132/005-000 Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole	722-132 /005-000
	Item no.: 722-132/005-000/039-000	



Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole

722-132

/005-000/039-000



Item no.: 722-133/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole

722-133

/005-000



Item no.: 722-133/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole

722-133

/005-000/039-000



Item no.: 722-134/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole

722-134

/005-000



Item no.: 722-134/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 4-pole

722-134

/005-000/039-000



Item no.: 722-135/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole

722-135

/005-000



Item no.: 722-135/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 5-pole

722-135

/005-000/039-000



Item no.: 722-136/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole

722-136

/005-000



Item no.: 722-136/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 6-pole

722-136

/005-000/039-000



Item no.: 722-137/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole

722-137

/005-000



Item no.: 722-137/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 7-pole

722-137

/005-000/039-000



Item no.: 722-138/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole

722-138

/005-000



Item no.: 722-138/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 8-pole

722-138

/005-000/039-000



Item no.: 722-139/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole

722-139

/005-000

Item no.: 722-139/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching;



Locking lever; Pin spacing 5 mm; 9-pole

722-139

/005-000/039-000



Item no.: 722-140/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole

722-140

/005-000



Item no.: 722-140/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole

722-140

/005-000/039-000



Item no.: 722-141/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole

722-141

/005-000



Item no.: 722-142/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole

722-142

/005-000



Item no.: 722-142/005-007/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole

722-142

/005-007/039-000



Item no.: 722-143/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 13-pole

722-143

/005-000



Item no.: 722-144/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole

722-144

/005-000



Item no.: 722-144/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole

722-144

/005-000/039-000



Item no.: 722-145/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole

722-145

/005-000



Item no.: 722-146/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole

722-146

/005-000



Item no.: 722-146/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole

722-146

/005-000/039-000



Item no.: 722-150/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole

722-150

/005-000



Item no.: 722-150/005-000/039-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 20-pole

722-150

/005-000/039-000

Item no.: 722-232/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin



spacing 5 mm; 3-pole

722-232

/005-000

**Item no.: 722-232/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 3-pole

722-232

/005-000/039-000

**Item no.: 722-233/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 3-pole

722-233

/005-000

**Item no.: 722-233/005-000/039-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 3-pole

722-233

/005-000/039-000

**Item no.: 722-234/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 4-pole

722-234

/005-000

**Item no.: 722-234/005-000/039-000**

Female connector for rail-mount terminal blocks; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 4-pole

722-234

/005-000/039-000

**Item no.: 722-235/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 5-pole

722-235

/005-000

**Item no.: 722-235/005-000/039-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 5-pole

722-235

/005-000/039-000

**Item no.: 722-236/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 6-pole

722-236

/005-000

**Item no.: 722-236/005-000/039-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 6-pole

722-236

/005-000/039-000

**Item no.: 722-237/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 7-pole

722-237

/005-000

**Item no.: 722-237/005-000/039-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 7-pole

722-237

/005-000/039-000

**Item no.: 722-238/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 8-pole

722-238

/005-000

**Item no.: 722-239/005-000**

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating; Pin spacing 5 mm; 9-pole

722-239

/005-000

Item no.: 722-239/005-000/039-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismating;



Locking lever; Pin spacing 5 mm; 9-pole

722-239

/005-000/039-000



Item no.: 722-240/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 10-pole

722-240

/005-000



Item no.: 722-240/005-000/039-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole

722-240

/005-000/039-000



Item no.: 722-241/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole

722-241

/005-000



Item no.: 722-242/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 12-pole

722-242

/005-000



Item no.: 722-242/005-000/039-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole

722-242

/005-000/039-000



Item no.: 722-243/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 13-pole

722-243

/005-000



Item no.: 722-244/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 14-pole

722-244

/005-000



Item no.: 722-244/005-000/039-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole

722-244

/005-000/039-000



Item no.: 722-246/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 16-pole

722-246

/005-000



Item no.: 722-246/005-000/039-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole

722-246

/005-000/039-000



Item no.: 722-250/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 20-pole

722-250

/005-000

assembling



Item no.: 209-106

Mounting carrier; for isolated mounting on DIN 35 rails

209-106



Item no.: 210-148

Angled support bracket; without screw

210-148



Item no.: 709-153

Cover; Type 1; suitable for cover carrier, type 1; 1 m long

709-153

check

	Item no.: 209-170 Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs	209-170
	Item no.: 249-106 B-type test plug module; modular	249-106
	Item no.: 249-107 B-type spacer module; modular; e.g., for bridging commoned terminal blocks	249-107
	Item no.: 249-141 L-type test plug module; modular; with spring-loaded contact pin; Center module	249-141
	Item no.: 249-142 L-type end module; modular; with rigid contact pin; End module	249-142
	Item no.: 249-143 L-type spacer module; modular; e.g., bridging commoned terminal blocks	249-143

Protective Warning Marker

	Item no.: 280-415 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks	280-415
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Insulation stop

	Item no.: 280-470 Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip	280-470
	Item no.: 280-471 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip	280-471
	Item no.: 280-472 Insulation stop; 0.75 - 1 mm²; 5 pieces/strip	280-472

tools

	Item no.: 210-657 Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short	210-657
	Item no.: 210-658 Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled	210-658
	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720

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Documentation

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