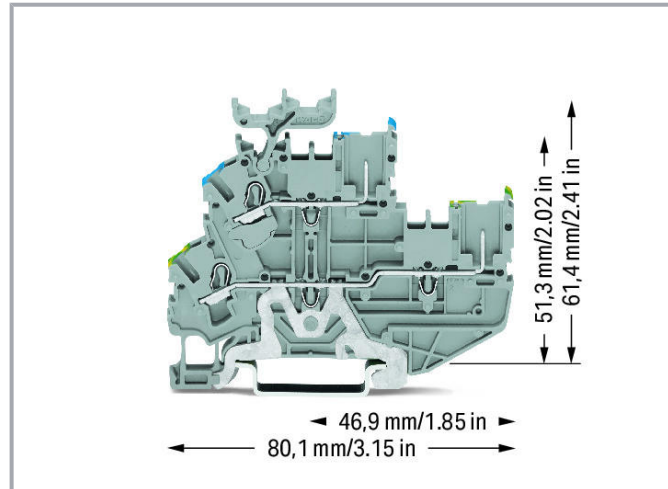
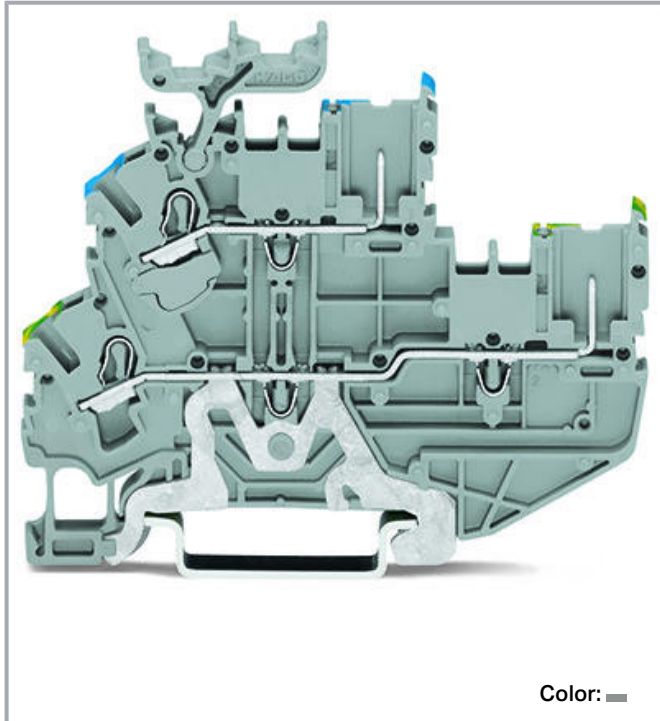


Data sheet | Item number: 2022-2247

1-conductor/1-pin double deck receptacle terminal block; Ground conductor /through terminal block; 2.5 mm²; PE/N; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2022-2247



Color: ■

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	690 V
Rated surge voltage (III/3)	6 kV
Rated current	24 A
Rated current 2	28 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V

Subject to changes. Please also observe the further product documentation!

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Rated current UL (Use Group B)	20 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	20 A

Ratings per CSA

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	20 A

Connection data

Total number of connection points	2
Total number of potentials	2
Number of levels	2

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 ... 4 mm² / 22 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm² / 22 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm² / 22 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm² / 18 ... 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	10 ... 12 mm / 0.39 ... 0.47 inch
Wiring direction	Front-entry wiring

Physical data

Width	5.2 mm / 0.205 inch
Height	80.1 mm / 3.154 inch
Depth from upper edge of DIN-rail	61.4 mm / 2.417 inch

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Mechanical data

Potentialkennzeichnung	PE/N
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

Material data

Note on material data	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.264 MJ
Weight	15.1 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4045454916596
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2 No. 158	2437422
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 116567

Ship Approvals

Certificate

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Logo	Approval	Additional Approval Text	name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	38586/A0 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	E45172

Counterpart

	Item no.2022-101 1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm; 1-pole; 4,00 mm²; gray	www.wago.com/2022-101
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Required accessories

End plate

End plate		
	Item no.: 2022-2291 End and intermediate plate; 1 mm thick; gray	www.wago.com/2022-2291
	Item no.: 2022-2292 End and intermediate plate; 1 mm thick; orange	www.wago.com/2022-2292

Optional accessories

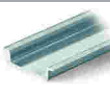
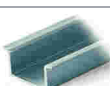
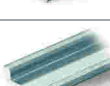
Carrier rail

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Mounting accessories

	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/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; copper-colored	www.wago.com/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; silver-colored	www.wago.com/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; silver-colored	www.wago.com/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; silver-colored	www.wago.com/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; silver-colored	www.wago.com/210-508
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	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; silver-colored	www.wago.com/210-112
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/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; silver-colored	www.wago.com/210-115
	Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-196

Ferrule

Ferrule		
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243	

Subject to changes. Please also observe the further product documentation!

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-243
acc. to DIN 46228, Part 4/09.90; red

**Item no.: 216-244**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

www.wago.com/216-244

**Item no.: 216-263**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-263
acc. to DIN 46228, Part 4/09.90; red

**Item no.: 216-246**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.wago.com/216-246

**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.wago.com/216-266

**Item no.: 216-264**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

www.wago.com/216-264

**Item no.: 216-284**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

www.wago.com/216-284

**Item no.: 216-286**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.wago.com/216-286

**Item no.: 216-262**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

www.wago.com/216-262

Marking accessories**Marking strip****Item no.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Marker carrier**Item no.: 2009-198**

Adaptor; gray

www.wago.com/2009-198

Marker**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-145

**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115

**Item no.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/248-501

Subject to changes. Please also observe the further product documentation!

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**Item no.: 793-501**

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

www.wago.com/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; white www.wago.com/793-5501**Coding**

Coding

**Item no.: 2022-100**

Carrier with 6 coding pins; for coding of female plugs; orange

www.wago.com/2022-100**Insulation stop**

Insulation stop

Item no.: 2002-171Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light graywww.wago.com/2002-171**Item no.: 2002-172**Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark graywww.wago.com/2002-172**Testing and measuring**

Testing accessories

**Item no.: 859-500**WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 10 mm uninsulated; Test lead for soldering up to 0,5 mm² www.wago.com/859-500**Push-in type wire jumper**

Jumper

**Item no.: 2009-412**

Push-in type wire jumper; insulated; 60 mm long; black

www.wago.com/2009-412**Item no.: 2009-414**Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; blackwww.wago.com/2009-414**Item no.: 2009-416**Push-in type wire jumper; 1.5 mm²; insulated; 250 mm long; blackwww.wago.com/2009-416**Item no.: 2009-414/000-005**Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; blackwww.wago.com/2009-414/000-005**Item no.: 2009-414/000-006**

Push-in type wire jumper; insulated; 110 mm long; black

www.wago.com/2009-414/000-006**Protective warning marker**

Cover

Item no.: 2002-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

www.wago.com/2002-115**Jumpers**

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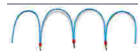
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Jumper

**Item no.: 210-123**

Wire commoning chain; insulated; blue

www.wago.com/210-123**Item no.: 2002-402**

Jumper; 2-way; insulated; light gray

www.wago.com/2002-402**Item no.: 2002-402/000-005**

Jumper; 2-way; insulated; red

www.wago.com/2002-402/000-005**Item no.: 2002-400**

Continuous jumper; 2-way; insulated; light gray

www.wago.com/2002-400**Item no.: 2002-403**

Jumper; 3-way; insulated; light gray

www.wago.com/2002-403**Item no.: 2002-404/000-005**

Jumper; 4-way; insulated; red

www.wago.com/2002-404/000-005**Item no.: 2002-403/000-006**

Jumper; 3-way; insulated; blue

www.wago.com/2002-403/000-006**Item no.: 2002-404/000-006**

Jumper; 4-way; insulated; blue

www.wago.com/2002-404/000-006**Item no.: 2002-403/000-005**

Jumper; 3-way; insulated; red

www.wago.com/2002-403/000-005**Item no.: 2002-405/000-005**

Jumper; 5-way; insulated; red

www.wago.com/2002-405/000-005**Item no.: 2002-402/000-006**

Jumper; 2-way; insulated; blue

www.wago.com/2002-402/000-006**Item no.: 2002-405/000-006**

Jumper; 5-way; insulated; blue

www.wago.com/2002-405/000-006**Item no.: 2002-404**

Jumper; 4-way; insulated; light gray

www.wago.com/2002-404**Item no.: 2002-406/000-006**

Jumper; 6-way; insulated; blue

www.wago.com/2002-406/000-006

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**Item no.: 2002-406/000-005**

Jumper; 6-way; insulated; red

www.wago.com/2002-406/000-005**Item no.: 2002-406/020-000**

Delta jumper; insulated; light gray

www.wago.com/2002-406/020-000**Item no.: 2002-405**

Jumper; 5-way; insulated; light gray

www.wago.com/2002-405**Item no.: 2002-407/000-005**

Jumper; 7-way; insulated; red

www.wago.com/2002-407/000-005**Item no.: 2002-408**

Jumper; 8-way; insulated; light gray

www.wago.com/2002-408**Item no.: 2002-408/000-006**

Jumper; 8-way; insulated; blue

www.wago.com/2002-408/000-006**Item no.: 2002-405/011-000**

Star point jumper; 3-way; insulated; light gray

www.wago.com/2002-405/011-000**Item no.: 2002-407/000-006**

Jumper; 7-way; insulated; blue

www.wago.com/2002-407/000-006**Item no.: 2002-408/000-005**

Jumper; 8-way; insulated; red

www.wago.com/2002-408/000-005**Item no.: 2002-407**

Jumper; 7-way; insulated; light gray

www.wago.com/2002-407**Item no.: 2002-406**

Jumper; 6-way; insulated; light gray

www.wago.com/2002-406**Item no.: 2002-410/000-005**

Jumper; 10-way; insulated; red

www.wago.com/2002-410/000-005**Item no.: 2002-410/000-006**

Jumper; 10-way; insulated; blue

www.wago.com/2002-410/000-006**Item no.: 2002-410**

Jumper; 10-way; insulated; light gray

www.wago.com/2002-410

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	Item no.: 2002-409/000-006 Jumper; 9-way; insulated; blue	www.wago.com/2002-409/000-006
	Item no.: 2002-409/000-005 Jumper; 9-way; insulated; red	www.wago.com/2002-409/000-005
	Item no.: 2002-409 Jumper; 9-way; insulated; light gray	www.wago.com/2002-409
	Item no.: 2002-423/000-006 Continuous jumper; from 1 to 3; insulated; blue	www.wago.com/2002-423/000-006
	Item no.: 2002-423 Continuous jumper; from 1 to 3; insulated; light gray	www.wago.com/2002-423
	Item no.: 2002-433 Jumper; from 1 to 3; insulated; light gray	www.wago.com/2002-433
	Item no.: 2002-434 Jumper; from 1 to 4; insulated; light gray	www.wago.com/2002-434
	Item no.: 2002-423/000-005 Continuous jumper; from 1 to 3; insulated; red	www.wago.com/2002-423/000-005
	Item no.: 2002-435 Jumper; from 1 to 5; insulated; light gray	www.wago.com/2002-435
	Item no.: 2002-436 Jumper; from 1 to 6; insulated; light gray	www.wago.com/2002-436
	Item no.: 2002-437 Jumper; from 1 to 7; insulated; light gray	www.wago.com/2002-437
	Item no.: 2002-438 Jumper; from 1 to 8; insulated; light gray	www.wago.com/2002-438
	Item no.: 2002-439 Jumper; from 1 to 9; insulated; light gray	www.wago.com/2002-439
	Item no.: 2002-440 Jumper; from 1 to 10; insulated; light gray	www.wago.com/2002-440
	Item no.: 2002-472 Staggered jumper; 2-way; insulated; light gray	www.wago.com/2002-472
	Item no.: 2002-473 Staggered jumper; 3-way; insulated; light gray	www.wago.com/2002-473

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Item no.: 2002-475/011-000

Staggered jumper; 3-way; insulated; light gray

www.wago.com/2002-475/011-000



Item no.: 2002-475

Staggered jumper; 5-way; insulated; light gray

www.wago.com/2002-475



Item no.: 2002-476

Staggered jumper; 6-way; insulated; light gray

www.wago.com/2002-476



Item no.: 2002-474

Staggered jumper; 4-way; insulated; light gray

www.wago.com/2002-474



Item no.: 2002-477

Staggered jumper; 7-way; insulated; light gray

www.wago.com/2002-477



Item no.: 2002-473/011-000

Staggered jumper; 2-way; from 1 to 3; insulated; light gray

www.wago.com/2002-473/011-000



Item no.: 2002-479

Staggered jumper; 9-way; insulated; light gray

www.wago.com/2002-479



Item no.: 2002-478

Staggered jumper; 8-way; insulated; light gray

www.wago.com/2002-478



Item no.: 2002-479/011-000

Staggered jumper; insulated; light gray

www.wago.com/2002-479/011-000



Item no.: 2002-480

Staggered jumper; 10-way; insulated; light gray

www.wago.com/2002-480



Item no.: 2002-477/011-000

Staggered jumper; insulated; light gray

www.wago.com/2002-477/011-000

Item no.: 2002-492

Vertical jumper; insulated; light gray

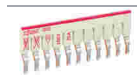
www.wago.com/2002-492



Item no.: 2002-481/011-000

Staggered jumper; insulated; light gray

www.wago.com/2002-481/011-000



Item no.: 2002-481

Staggered jumper; 11-way; insulated; light gray

www.wago.com/2002-481

Item no.: 2002-492/000-012

Vertical jumper; insulated; orange

www.wago.com/2002-492/000-012

Subject to changes. Please also observe the further product documentation!

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**Item no.: 2002-482**

Staggered jumper; 12-way; insulated; light gray

www.wago.com/2002-482**Item no.: 210-103**

Wire commoning chain; insulated; black

www.wago.com/210-103**Tool**

Operating tool

**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-720**Downloads****Documentation****Bid Text**

2022-2247 docx - Datei	2019. 5. 14.	docx 15.9 kB	Download
2022-2247 X81 - Datei	2019. 2. 19.	xml 4.2 kB	Download

Additional Information

Technical Section Technical explanations	pdf 2.2 MB	Download
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CAD/CAE-Data**CAE data**

EPLAN Data Portal 2022-2247	URL	Download
WSCAD Universe 2022-2247	URL	Download
ZUKEN Portal 2022-2247	URL	Download

CAD data

2D/3D Models 2022-2247	URL	Download
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Environmental Product Compliance**Compliance Search**

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Environmental Product Compliance 2022-2247

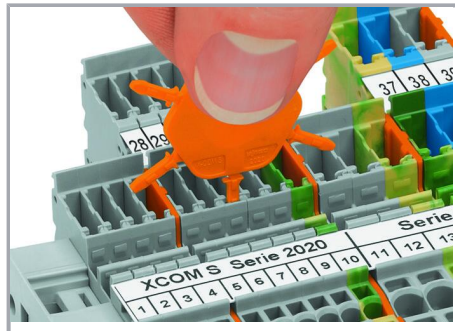
[URL](#)

[Download](#)

1-conductor/1-pin double deck receptacle terminal block; Ground conductor /through terminal block; 2.5 mm²; PE/N; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

Installation Notes

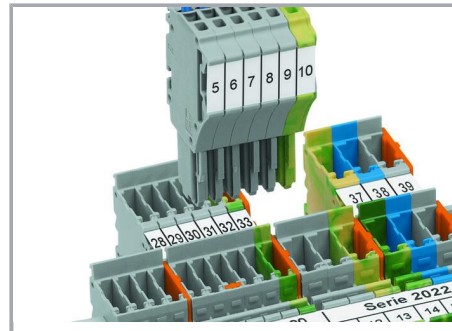
Coding



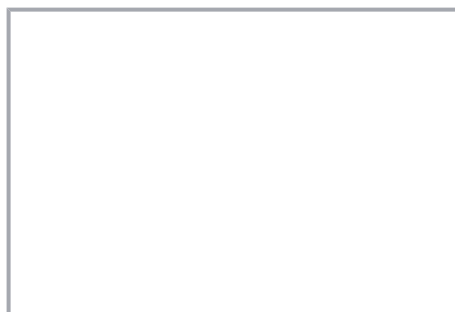
Insert coding pin into the corresponding slot and twist it off.



Coding a female plug: remove coding finger using a suitable tool.



Insert coded female plug into X-COM®S-SYSTEM terminal block assembly.



1-conductor female plug

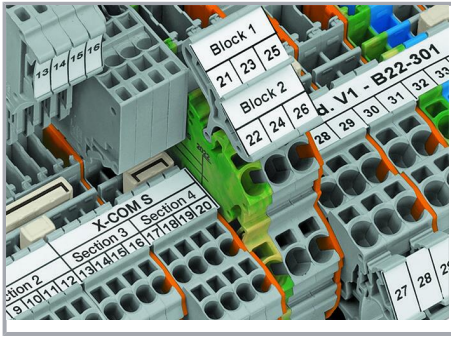
Double-deck carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.

Marking

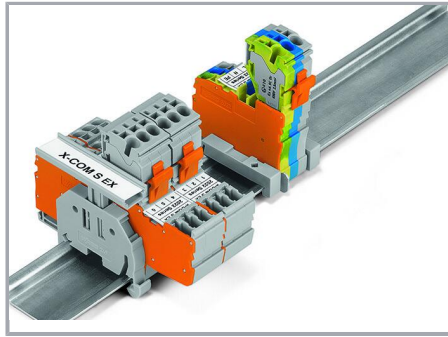
Subject to changes. Please also observe the further product documentation!

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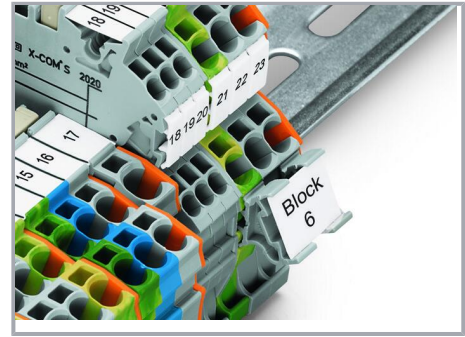
Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Clear marking via large marking area



Group marking with height-adjustable group marker carrier (2009-163)



Marking via marker carrier (2009-198)

Product family

X-COM S

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!