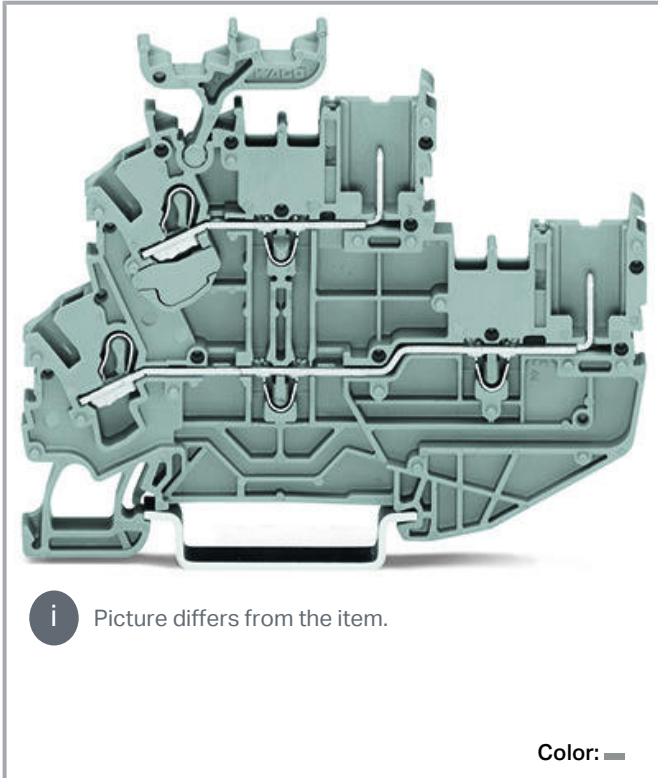


Data sheet | Item number: 2022-2203

1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm²; L/N; without marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

www.wago.com/2022-2203



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

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

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Ratings per UL

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

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



Height	80.1 mm / 3.154 inch
Depth from upper edge of DIN-rail	51.3 mm / 2.02 inch

Mechanical data

Potentialkennzeichnung	L/L
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	0.244 MJ
Weight	11.7 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4045454916510
Customs tariff number	85369010000

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

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate 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

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Optional accessories

Coding

Coding

**Item no.: 2022-100**

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

www.wago.com/2022-100

Protective warning marker

Cover

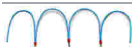
Item no.: 2002-115

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

www.wago.com/2002-115

Jumpers

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

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

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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

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

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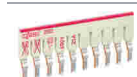


Item no.: 2022-410/000-005 Jumper; 10-way; insulated; red	www.wago.com/2022-410/000-005
Item no.: 2022-410/000-006 Jumper; 10-way; insulated; blue	www.wago.com/2022-410/000-006
Item no.: 2022-410 Jumper; 10-way; insulated; light gray	www.wago.com/2022-410
Item no.: 2022-409/000-006 Jumper; 9-way; insulated; blue	www.wago.com/2022-409/000-006
Item no.: 2022-409/000-005 Jumper; 9-way; insulated; red	www.wago.com/2022-409/000-005
 Item no.: 2022-409 Jumper; 9-way; insulated; light gray	www.wago.com/2022-409
 Item no.: 2022-423/000-006 Continuous jumper; from 1 to 3; insulated; blue	www.wago.com/2022-423/000-006
 Item no.: 2022-423 Continuous jumper; from 1 to 3; insulated; light gray	www.wago.com/2022-423
Item no.: 2022-433 Jumper; from 1 to 3; insulated; light gray	www.wago.com/2022-433
Item no.: 2022-434 Jumper; from 1 to 4; insulated; light gray	www.wago.com/2022-434
 Item no.: 2022-423/000-005 Continuous jumper; from 1 to 3; insulated; red	www.wago.com/2022-423/000-005
Item no.: 2022-435 Jumper; from 1 to 5; insulated; light gray	www.wago.com/2022-435
Item no.: 2022-436 Jumper; from 1 to 6; insulated; light gray	www.wago.com/2022-436
Item no.: 2022-437 Jumper; from 1 to 7; insulated; light gray	www.wago.com/2022-437
Item no.: 2022-438 Jumper; from 1 to 8; insulated; light gray	www.wago.com/2022-438
Item no.: 2022-439 Jumper; from 1 to 9; insulated; light gray	www.wago.com/2022-439

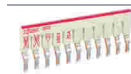
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	Item no.: 2002-440 Jumper; from 1 to 10; insulated; light gray	www.wago.com/2002-440
	Item no.: 2002-472 Staggered jumper; 2-way; insulated; light gray	www.wago.com/2002-472
	Item no.: 2002-473 Staggered jumper; 3-way; insulated; light gray	www.wago.com/2002-473
	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

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

**Item no.: 2002-481**

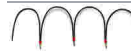
Staggered jumper; 11-way; insulated; light gray

www.wago.com/2002-481**Item no.: 2002-492/000-012**

Vertical jumper; insulated; orange

www.wago.com/2002-492/000-012**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**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**Carrier rail**

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**

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Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; www.wago.com/210-112
silver-colored

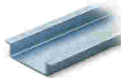
**Item no.: 210-114**

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; www.wago.com/210-115
silver-colored

**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

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

**Item no.: 2002-121**

Adaptor; gray

www.wago.com/2002-121

**Item no.: 2002-161**

Adaptor; gray

www.wago.com/2002-161

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

**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

Group marker carrier**Item no.: 2009-193**

Group marker carrier; gray

www.wago.com/2009-193

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

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**Item no.: 2009-192**

Group marker carrier; gray

www.wago.com/2009-192**Item no.: 2009-191**

Group marker carrier; gray

www.wago.com/2009-191**Ferrule**

Ferrule

**Item no.: 216-241**Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; whitewww.wago.com/216-241**Item no.: 216-242**Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; graywww.wago.com/216-242**Item no.: 216-243**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; redwww.wago.com/216-243**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; blackwww.wago.com/216-244**Item no.: 216-263**Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; redwww.wago.com/216-263**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; bluewww.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; bluewww.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; blackwww.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; blackwww.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; bluewww.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; graywww.wago.com/216-262**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

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

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**Item no.: 2009-416**

Push-in type wire jumper; 1.5 mm²; insulated; 250 mm long; black

www.wago.com/2009-416**Item no.: 2009-414/000-005**

Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

www.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**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**Testing and measuring**

Testing accessories

**Item no.: 2009-174**

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

www.wago.com/2009-174**Item no.: 2009-182**

Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

www.wago.com/2009-182**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**Downloads****Documentation****Bid Text**

2022-2203	2019. 5. 14.	docx	Download
docx - Datei		15.9 kB	

2022-2203	2019. 2. 19.	xml	Download
X81 - Datei		4.2 kB	

Additional Information

Technical Section	pdf	Download
Technical explanations	2.2 MB	

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CAD/CAE-Data

CAD data

2D/3D Models 2022-2203	URL	Download
------------------------	---------------------	--------------------------

CAE data

WSCAD Universe 2022-2203	URL	Download
--------------------------	---------------------	--------------------------

ZUKEN Portal 2022-2203	URL	Download
------------------------	---------------------	--------------------------

EPLAN Data Portal 2022-2203	URL	Download
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Environmental Product Compliance

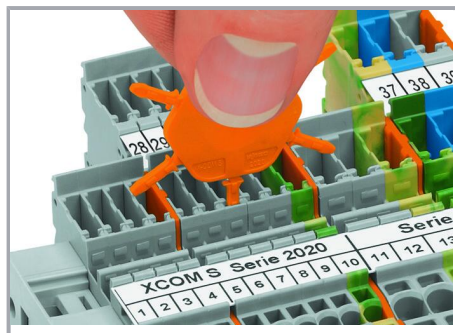
Compliance Search

Environmental Product Compliance 2022-2203	URL	Download
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1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm²; L/N; without marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

Installation Notes

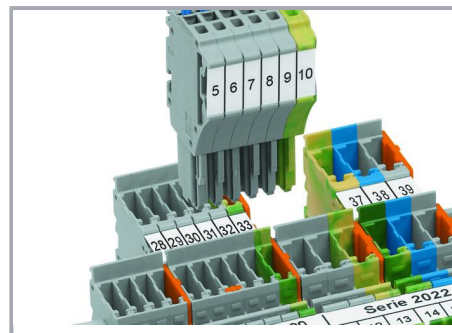
Coding



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.

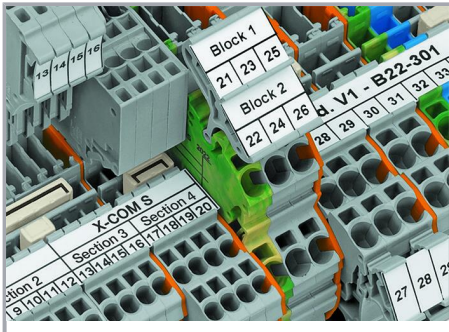
Subject to changes. Please also observe the further product documentation!



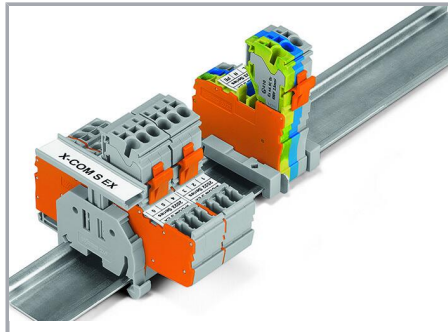
1-conductor female plug

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

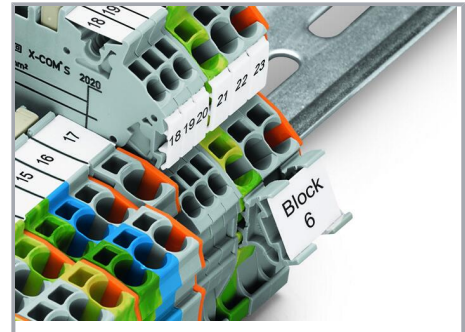
Marking



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!