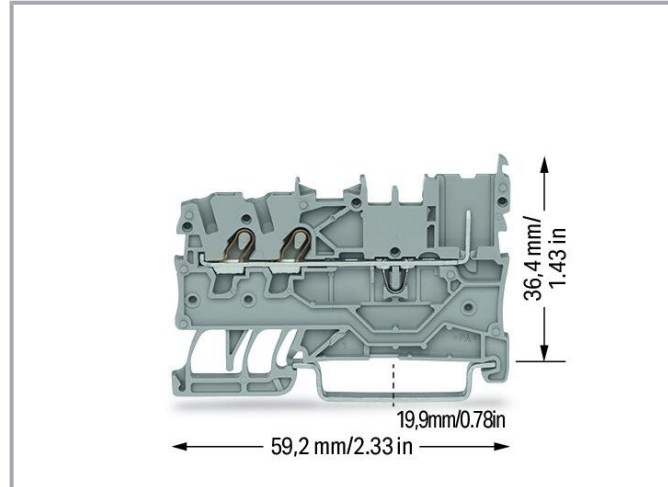
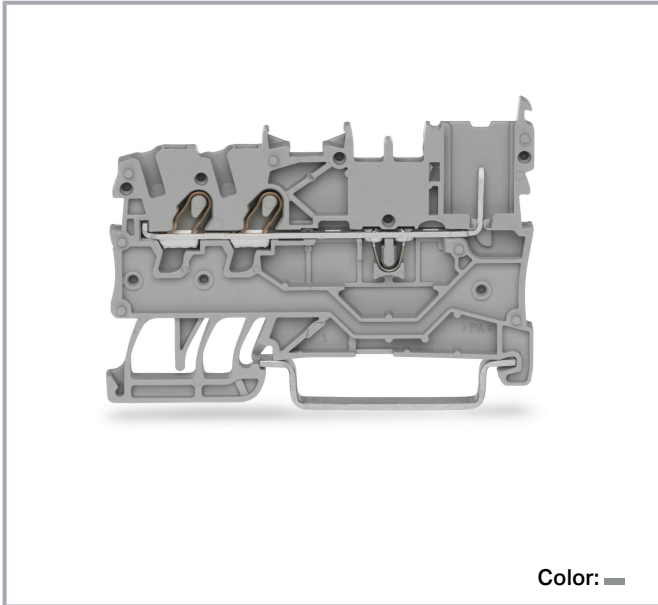


Data sheet | Item number: 2020-1301

2-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5;
Push-in CAGE CLAMP®; 1,00 mm²; gray



www.wago.com/2020-1301



Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	13.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A

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

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Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Power Loss

Power loss, per pole (potential)	0.434 W
Rated current I_N for specified power loss	13.5 A
Resistance value for specified, current-dependent power loss	0.002 Ω

Connection data

Connection points	2
Female plug slots	1
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP [®]
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	1 mm ²
Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm ² / 20 ... 18 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	9 ... 11 mm / 0.35 ... 0.43 inches

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



Wiring direction

Front-entry wiring

Physical data

Width	3.5 mm / 0.138 inches
Height	59.2 mm / 2.331 inches
Depth from upper-edge of DIN-rail	36.4 mm / 1.433 inches

Mechanical Data

Mounting type	DIN-35 rail
Marking level	Center/side marking

Material Data

Note (material data)	Information on material specifications can be found here
----------------------	--

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.1 MJ
Weight	4.5 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143288125
Customs tariff number	85366990990

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

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Environmental Product Compliance

RoHS Compliance Status



Compliant, No Exemption

Approvals / Certificates


General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7617
	CSA DEKRA Certification B.V.	C22.2	2516073
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 100670
	UL UL International Germany GmbH	UL 1059	E 45172

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Counterpart

	Item no.2020-102 1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.5 mm; 2-pole; 1,50 mm ² ; gray	www.wago.com/2020-102
	Item no.2020-202	

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



2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; gray www.wago.com/2020-202

Required accessories

End plate

End plate



Item no.: 2020-1391
End and intermediate plate; 1 mm thick; gray

www.wago.com/2020-1391



Item no.: 2020-1392
End and intermediate plate; 1 mm thick; orange

www.wago.com/2020-1392

Optional accessories

Coding

Coding



Item no.: 2020-100
Carrier with 6 coding pins; for coding of female plugs; for carrier terminal blocks; orange

www.wago.com/2020-100

Tool

Operating tool



Item no.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

www.wago.com/210-648



Item no.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647

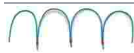


Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Jumpers

Jumper



Item no.: 210-123
Wire commoning chain; insulated; blue

www.wago.com/210-123



Item no.: 2000-408
Jumper; 8-way; insulated; light gray

www.wago.com/2000-408



Item no.: 2000-407
Jumper; 7-way; insulated; light gray

www.wago.com/2000-407



Item no.: 2000-409
Jumper; 9-way; insulated; light gray

www.wago.com/2000-409

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

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Item no.: 2000-408/000-006
Jumper; 8-way; insulated; blue

www.wago.com/2000-408/000-006



Item no.: 2000-408/000-005
Jumper; 8-way; insulated; red

www.wago.com/2000-408/000-005



Item no.: 2000-409/000-005
Jumper; 9-way; insulated; red

www.wago.com/2000-409/000-005



Item no.: 2000-407/000-006
Jumper; 7-way; insulated; blue

www.wago.com/2000-407/000-006



Item no.: 2000-410
Jumper; 10-way; insulated; light gray

www.wago.com/2000-410



Item no.: 2000-410/000-006
Jumper; 10-way; insulated; blue

www.wago.com/2000-410/000-006



Item no.: 2000-433/000-005
Jumper; from 1 to 3; insulated; red

www.wago.com/2000-433/000-005



Item no.: 2000-407/000-005
Jumper; 7-way; insulated; red

www.wago.com/2000-407/000-005



Item no.: 2000-433/000-006
Jumper; from 1 to 3; insulated; blue

www.wago.com/2000-433/000-006



Item no.: 2000-410/000-005
Jumper; 10-way; insulated; red

www.wago.com/2000-410/000-005



Item no.: 2000-435
Jumper; from 1 to 5; insulated; light gray

www.wago.com/2000-435



Item no.: 2000-409/000-006
Jumper; 9-way; insulated; blue

www.wago.com/2000-409/000-006



Item no.: 2000-436
Jumper; from 1 to 6; insulated; light gray

www.wago.com/2000-436



Item no.: 2000-433

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

Jumper; from 1 to 3; insulated; light gray

www.wago.com/2000-433



Item no.: 2000-434

Jumper; from 1 to 4; insulated; light gray

www.wago.com/2000-434



Item no.: 2000-402

Jumper; 2-way; insulated; light gray

www.wago.com/2000-402



Item no.: 2000-402/000-006

Jumper; 2-way; insulated; blue

www.wago.com/2000-402/000-006



Item no.: 2000-403

Jumper; 3-way; insulated; light gray

www.wago.com/2000-403



Item no.: 2000-402/000-005

Jumper; 2-way; insulated; red

www.wago.com/2000-402/000-005



Item no.: 2000-402/000-018

Jumper; 2-way; insulated; yellow-green

www.wago.com/2000-402/000-018



Item no.: 2000-404

Jumper; 4-way; insulated; light gray

www.wago.com/2000-404



Item no.: 2000-403/000-005

Jumper; 3-way; insulated; red

www.wago.com/2000-403/000-005



Item no.: 2000-404/000-006

Jumper; 4-way; insulated; blue

www.wago.com/2000-404/000-006



Item no.: 2000-403/000-006

Jumper; 3-way; insulated; blue

www.wago.com/2000-403/000-006



Item no.: 2000-404/000-005

Jumper; 4-way; insulated; red

www.wago.com/2000-404/000-005



Item no.: 2000-405

Jumper; 5-way; insulated; light gray

www.wago.com/2000-405



Item no.: 2000-405/011-000

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

www.wago.com/2000-405/011-000



Item no.: 2000-405/000-006

Jumper; 5-way; insulated; blue

www.wago.com/2000-405/000-006

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Item no.: 2000-406/000-006
Jumper; 6-way; insulated; blue

www.wago.com/2000-406/000-006



Item no.: 2000-405/000-005
Jumper; 5-way; insulated; red

www.wago.com/2000-405/000-005



Item no.: 2000-406
Jumper; 6-way; insulated; light gray

www.wago.com/2000-406



Item no.: 2000-406/000-005
Jumper; 6-way; insulated; red

www.wago.com/2000-406/000-005



Item no.: 2000-406/020-000
Delta jumper; insulated; light gray

www.wago.com/2000-406/020-000



Item no.: 2000-437
Jumper; from 1 to 7; insulated; light gray

www.wago.com/2000-437



Item no.: 2000-438
Jumper; from 1 to 8; insulated; light gray

www.wago.com/2000-438



Item no.: 2000-439
Jumper; from 1 to 9; insulated; light gray

www.wago.com/2000-439



Item no.: 2000-440
Jumper; from 1 to 10; insulated; light gray

www.wago.com/2000-440



Item no.: 210-103
Wire commoning chain; insulated; black

www.wago.com/210-103

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.: 2000-510
TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm²; gray

www.wago.com/2000-510



Item no.: 2000-511
TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1-pole; 1,00 mm²; gray

















www.wago.com/2000-511



Item no.: 2000-549
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

www.wago.com/2000-549

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

	Item no.: 2000-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm ² ; gray	www.wago.com/2000-555
	Item no.: 2000-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm ² ; gray	www.wago.com/2000-553
	Item no.: 2000-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm ² ; gray	www.wago.com/2000-556
	Item no.: 2000-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm ² ; gray	www.wago.com/2000-558
	Item no.: 2000-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm ² ; gray	www.wago.com/2000-559
	Item no.: 2000-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm ² ; gray	www.wago.com/2000-552
	Item no.: 2000-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm ² ; gray	www.wago.com/2000-560
	Item no.: 2000-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm ² ; gray	www.wago.com/2000-554
	Item no.: 2000-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm ² ; gray	www.wago.com/2000-557
	Item no.: 859-500 WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm ²	www.wago.com/859-500
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.: 210-113 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

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

**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

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

**Item no.: 2009-113**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

www.wago.com/2009-113**Item no.: 793-3501**

WMB marking card; as card; plain; snap-on type; white

www.wago.com/793-3501**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; white

www.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; gray

www.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; red

www.wago.com/216-243**Protective warning marker**

Cover

**Item no.: 2000-115**

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

www.wago.com/2000-115**Push-in type wire jumper**

Jumper

**Item no.: 2009-404**

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray

www.wago.com/2009-404**Item no.: 2009-402**

Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

www.wago.com/2009-402**Item no.: 2009-406**

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray

www.wago.com/2009-406

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

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Downloads

Documentation

Bid Text

2020-1301 X81 - Datei	19 Feb 2019	xml 4.2 kB	Download
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2020-1301 docx - Datei	7 Aug 2018	docx 15.5 kB	Download
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Additional Information

		pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 2020-1301		URL	Download
------------------------	--	-----	----------

CAE data

EPLAN Data Portal 2020-1301		URL	Download
-----------------------------	--	-----	----------

ZUKEN Portal 2020-1301		URL	Download
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WSCAD Universe 2020-1301		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2020-1301 2-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm²; gray		URL	Download
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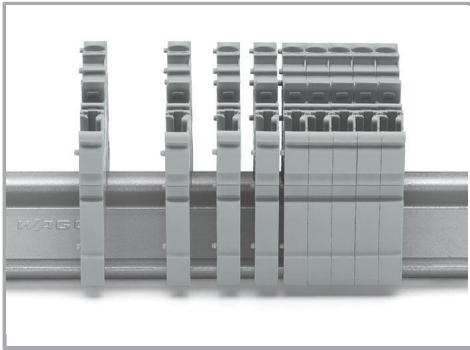
Installation Notes

Installation

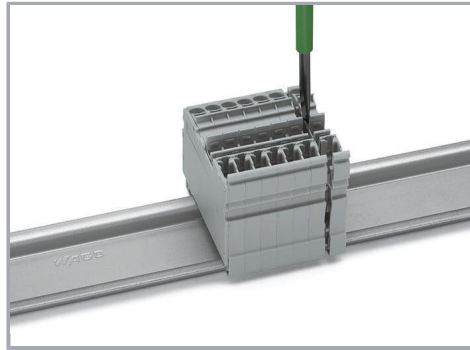
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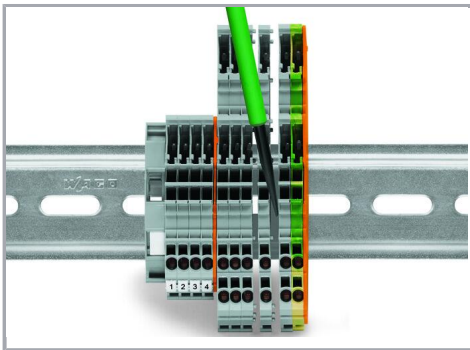
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Snap individual carrier terminal blocks onto the DIN-rail and slide together.

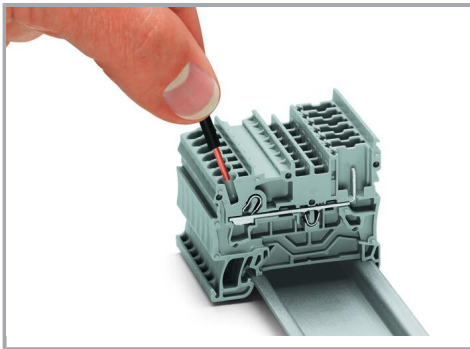


Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.

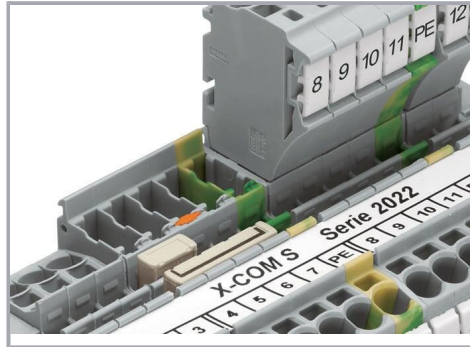
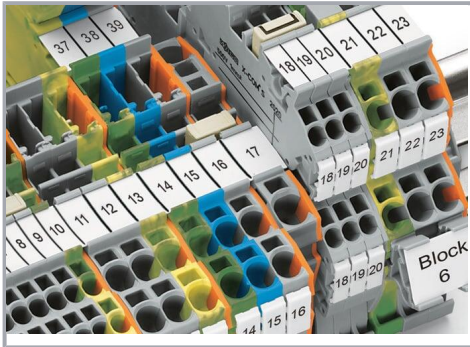
Conductor termination



Push-in CAGE CLAMP® enables solid conductors to be connected by simply pushing them into the unit.

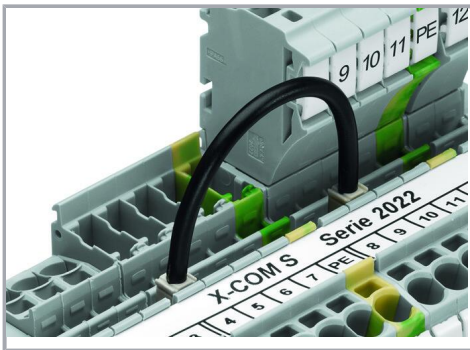
Subject to changes. Please also observe the further product documentation!

Commoning



Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for TOPJOB® S Terminal Blocks. An end plate provides connection to TOPJOB® S Terminal Blocks. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.

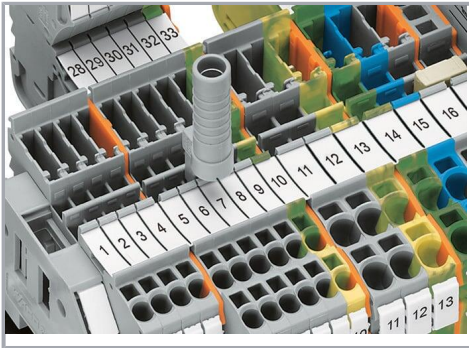
Pairing push-in comb style jumpers.



Commoning with push-in type wire jumper.

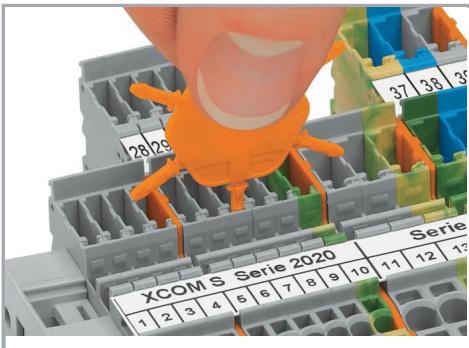
Testing

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

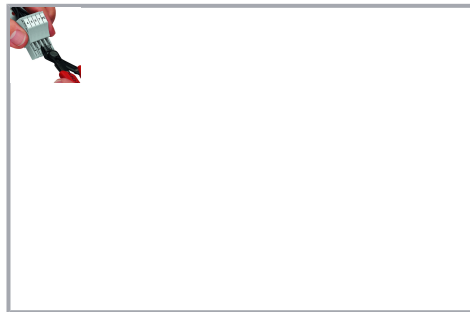


Test plug adapter (2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.

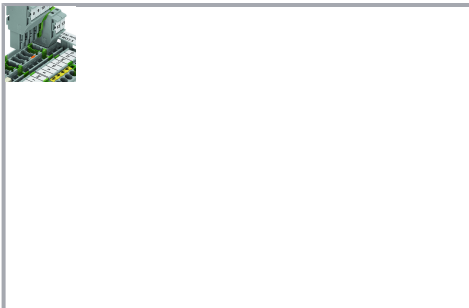
Coding



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



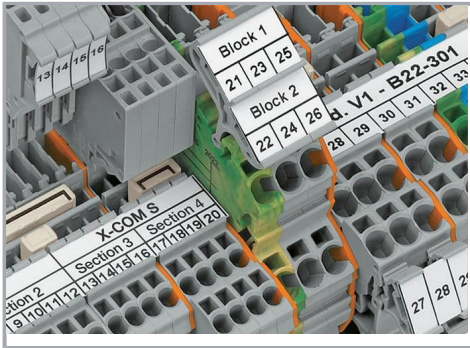
Coding a female plug: remove coding finger using a suitable tool.



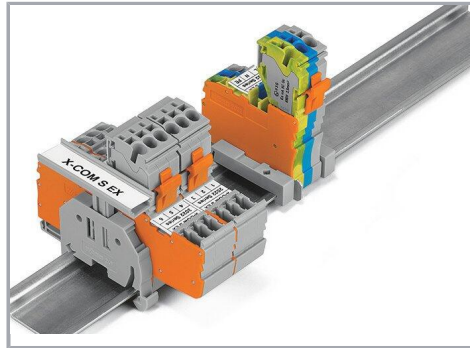
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

Marking

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

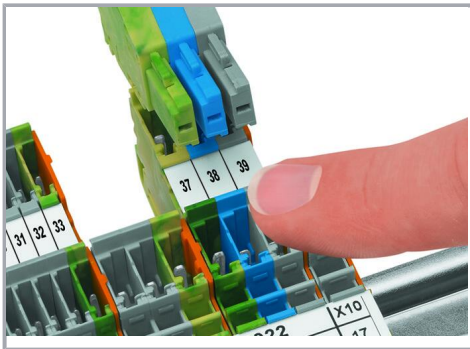


Clear marking via large marking area



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

Security



Carrier terminal blocks and female plugs are touch-proof.

Product family

X-COM S-Mini

[Show all products from the family](#)

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