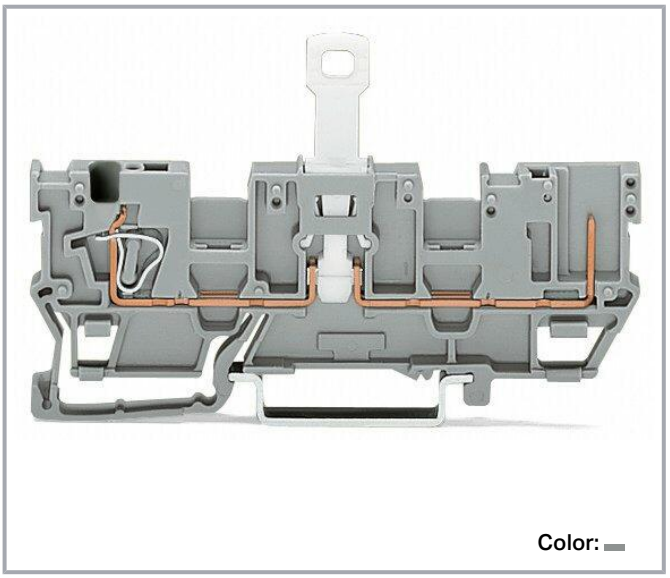
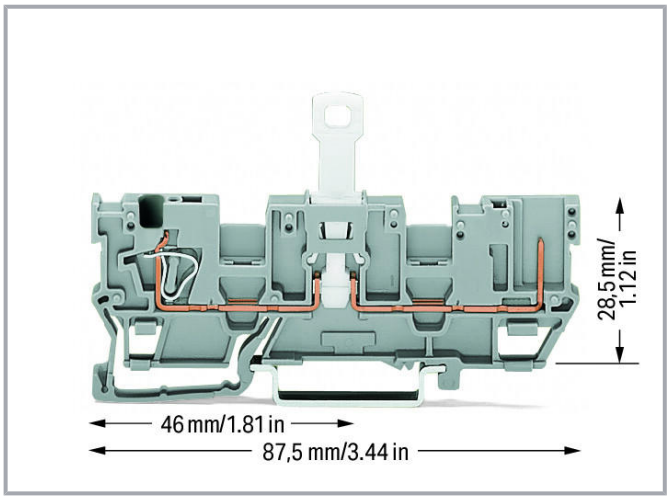
Data sheet | Item number: 769-212

1-conductor/1-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray

www.wago.com/769-212





Data

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	400 V
Rated surge voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Total number of connection points	1
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Number of connection points	1

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

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Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.08 … 4 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 4 mm² / 28 … 12 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Wiring direction	Front-entry wiring

Connection 2

Number of connection points 2	1

Physical data

Width	5 mm / 0.197 inch
Height	87.5 mm / 3.445 inch
Depth from upper edge of DIN-rail	28.5 mm / 1.122 inch

Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center 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	0.18 MJ
Weight	9 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4044918934763
Customs tariff number	85365080900

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Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
	CSA DEKRA Certification B.V.	C22.2 No. 158	1101144
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
	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
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	E45171

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Counterpart

	**Item no.769-101** 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-101
	**Item no.769-101/022-000** 1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-101/022-000
	**Item no.769-121** 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-121

Required accessories

End plate

End plate

	Item no.: 769-311 End and intermediate plate; 1.1 mm thick; gray	www.wago.com/769-311
	Item no.: 769-312 End and intermediate plate; 1.1 mm thick; orange	www.wago.com/769-312

Optional accessories

Coding

Coding

	**Item no.: 769-435** Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange	www.wago.com/769-435

Insulation stop

Insulation stop

	**Item no.: 769-470** Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white	www.wago.com/769-470
	**Item no.: 769-471** Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray	www.wago.com/769-471
	**Item no.: 769-472** Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray	www.wago.com/769-472

Testing and measuring

Testing accessories



Item no.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red
www.wago.com/210-136

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; gray
www.wago.com/280-418

Item no.: 280-404
Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray
www.wago.com/280-404

Item no.: 280-419
Spacer module; modular; bridging commoned terminal blocks; gray
www.wago.com/280-419

Jumpers

Jumper

Item no.: 280-402
Jumper; insulated; gray
www.wago.com/280-402

Item no.: 280-409
Jumper; insulated; gray
www.wago.com/280-409

Item no.: 780-454
Staggered jumper; from 1 to 4; insulated; gray
www.wago.com/780-454

Item no.: 780-452
Staggered jumper; from 1 to 2; insulated; gray
www.wago.com/780-452

Item no.: 780-453
Staggered jumper; from 1 to 3; insulated; gray
www.wago.com/780-453

Item no.: 780-457
Staggered jumper; from 1 to 7; insulated; gray
www.wago.com/780-457

Item no.: 780-456
Staggered jumper; from 1 to 6; insulated; gray
www.wago.com/780-456

Item no.: 780-455
Staggered jumper; from 1 to 5; insulated; gray
www.wago.com/780-455

Item no.: 780-458
Staggered jumper; from 1 to 8; insulated; gray
www.wago.com/780-458

Protective warning marker

Cover

Item no.: 280-415
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow
www.wago.com/280-415

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

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Push-in type wire jumper

Jumper



Item no.: 249-123
Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; black
www.wago.com/249-123



Item no.: 249-126
Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; black
www.wago.com/249-126



Item no.: 249-127
Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; black
www.wago.com/249-127



Item no.: 249-125
Push-in type wire jumper; insulated; 60 mm long; black
www.wago.com/249-125

Cover

Cover



Item no.: 769-438
Pin cover; with marker slot for miniature WSB; gray
www.wago.com/769-438

Item no.: 769-439
Pin cover; with marker slot for miniature WSB; orange
www.wago.com/769-439

Mounting

Mounting accessories



Item no.: 209-106
Mounting carrier; for isolated mounting on DIN 35 rails; gray
www.wago.com/209-106



Item no.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray
www.wago.com/249-116

Marking accessories

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.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white
www.wago.com/248-501

Ferrule

Ferrule

Item no.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-101

Item no.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-104

Item no.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-102

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

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	Item no.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue	www.wago.com/216-206
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302

Carrier rail

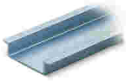
Mounting accessories

	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

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	**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

End plate

End plate

	Item no.: 769-314 Separator plate; 1.1 mm thick; oversized; orange	www.wago.com/769-314

Downloads

Documentation

Bid Text

769-212 X81 - Datei	2019. 2. 19.	xml 3.4 kB	Download
769-212 doc - Datei	2017. 10. 2.	doc 26.1 kB	Download

Additional Information

Technical Section Technical explanations	pdf 2.2 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 769-212	URL	Download

CAE data

WSCAD Universe 769-212	URL	Download
ZUKEN Portal 769-212	URL	Download

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EPLAN Data Portal 769-212	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-212 1-conductor/1-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray	URL	Download

Installation Notes

Installation



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

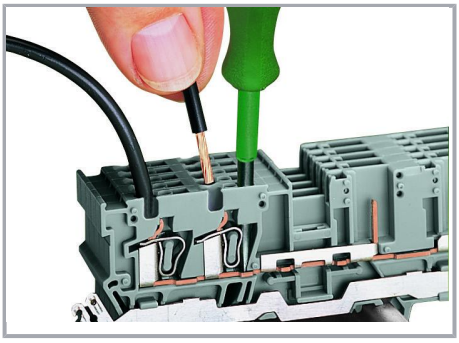


Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

Conductor termination

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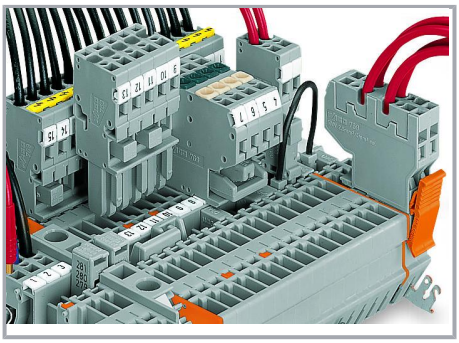
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CAGE CLAMP® connection

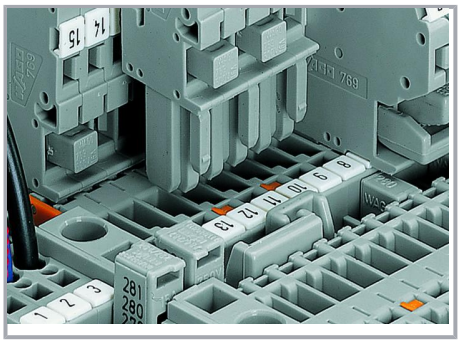
Carrier terminal block: Insert/remove conductor via operating tool (3.5 x 0.5 mm blade).

Commoning

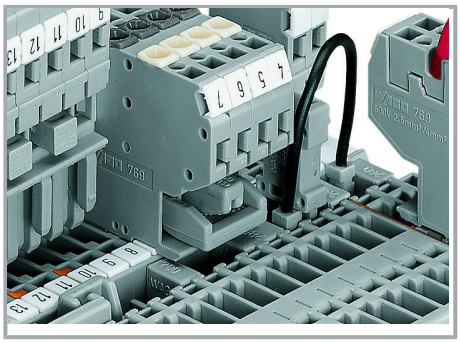


Commoning with adjacent or staggered jumpers.

Push jumpers down until fully inserted.



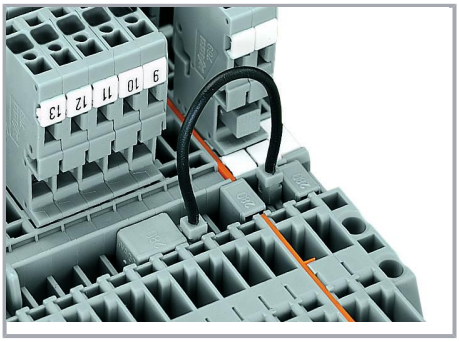
Commoning carrier terminal blocks via staggered jumpers.



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

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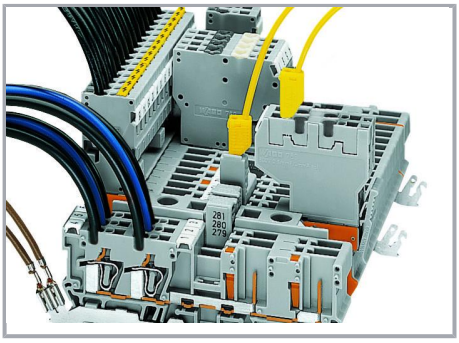


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



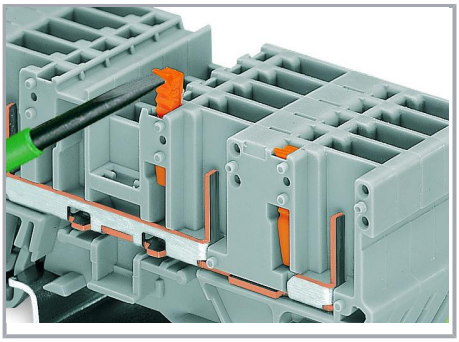
Commoning “supply terminal blocks” (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

Testing



Testing with a 2.3 mm Ø test plug (max. 42 V).

Coding



Snap coding pin in proper direction on carrier terminal block.

Shown: Coding pin removal from carrier terminal block.

Locking system

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

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Securing a female plug via locking lever on the terminal block side.



Disconnect carrier terminal block

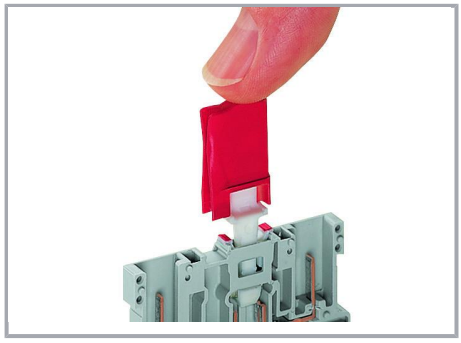


1-conductor female plug

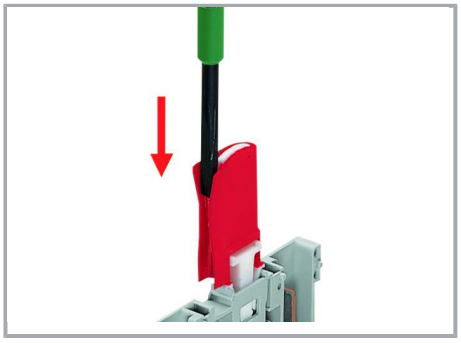
Disconnect carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).

Safety

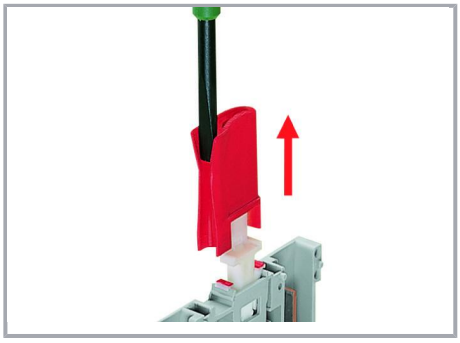
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Installing a disconnect lock on the terminal block's disconnect tab.



Unlocking a disconnect lock.



Removing a disconnect lock.

Product family

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