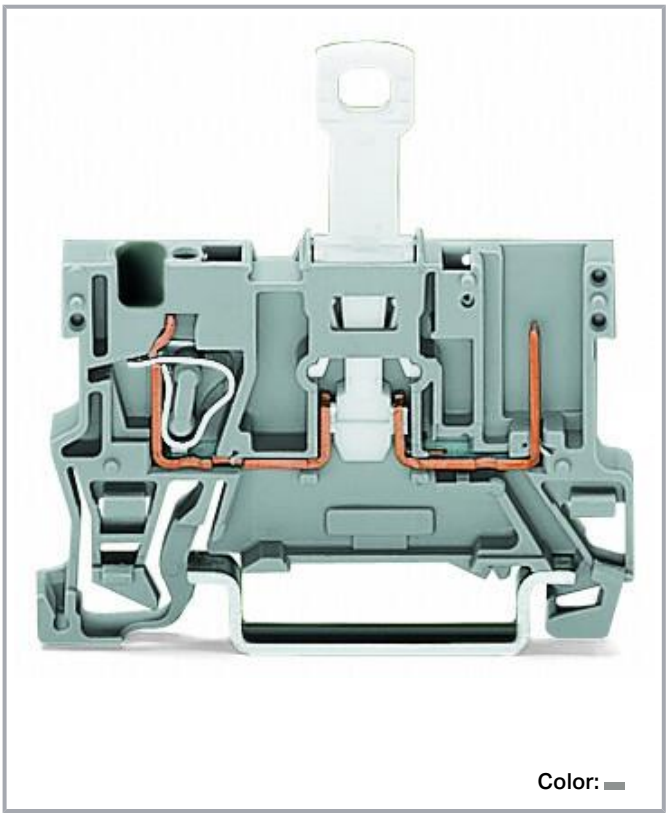
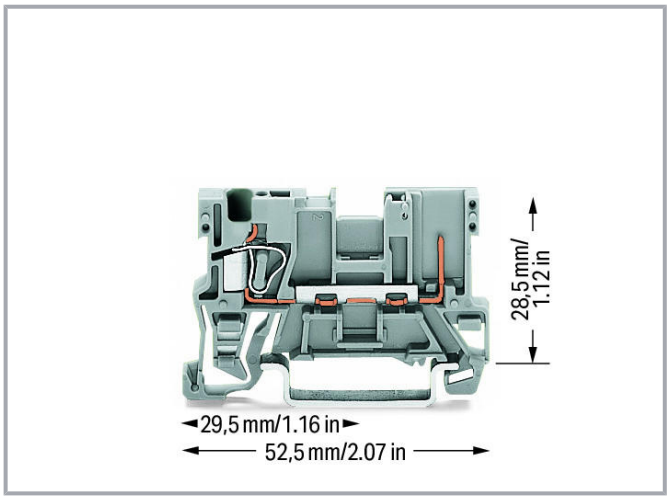
Data sheet | Item number: 769-232

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

www.wago.com/769-232





Data

Notes

Safety information 1	2-conductor female plugs cannot be used.

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

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

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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
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	52.5 mm / 2.067 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	0.116 MJ

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Weight	5.6 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	DE
GTIN	4045454619497
Customs tariff number	85365080900

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

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Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	E45171

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.: 769-308 End and intermediate plate; 1.1 mm thick; orange	www.wago.com/769-308
	Item no.: 769-307 End and intermediate plate; 1.1 mm thick; gray	www.wago.com/769-307

Optional accessories

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

Marking accessories

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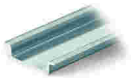
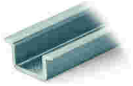
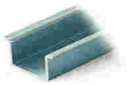
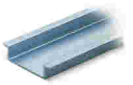
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Marker

	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

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** 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

Tool

Operating tool

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

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	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

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
	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

Testing and measuring

Testing accessories

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

Mounting

Mounting accessories

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

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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

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

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

Downloads

Documentation

Bid Text

769-232 X81 - Datei	2019. 2. 19.	xml 3.3 kB	Download
769-232 doc - Datei	2017. 10. 2.	doc 25.6 kB	Download

Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download

CAD/CAE-Data

CAD data

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2D/3D Models 769-232	URL	Download

CAE data

EPLAN Data Portal 769-232	URL	Download
WSCAD Universe 769-232	URL	Download
ZUKEN Portal 769-232	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-232 1-conductor/1-pin disconnect carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray	URL	Download

Installation Notes

Installation



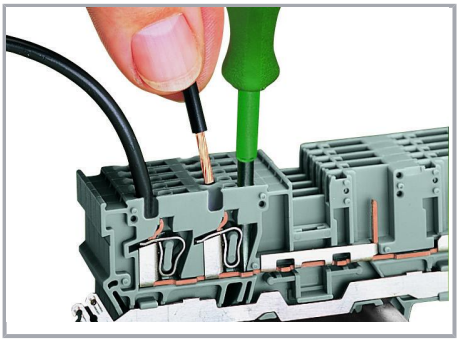
Snap individual carrier terminal blocks onto the DIN-rail and slide together.



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

Conductor termination

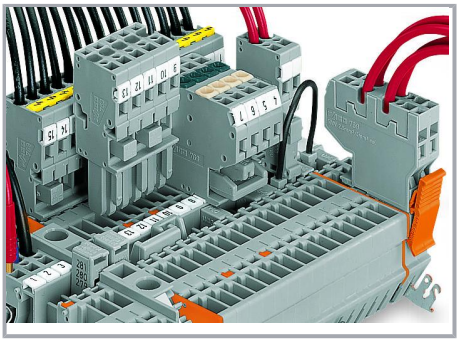
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CAGE CLAMP® connection

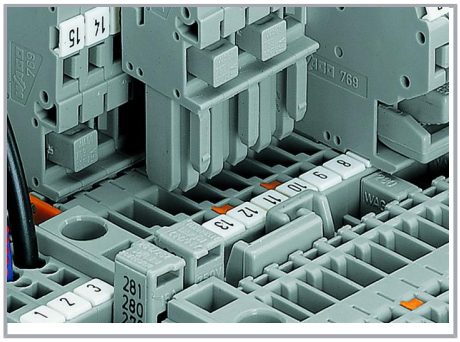
Carrier terminal block: Insert/remove conductor via operating tool (3.5 x 0.5 mm blade).

Commoning

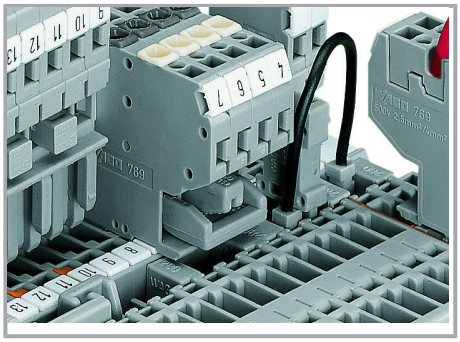


Commoning with adjacent or staggered jumpers.

Push jumpers down until fully inserted.



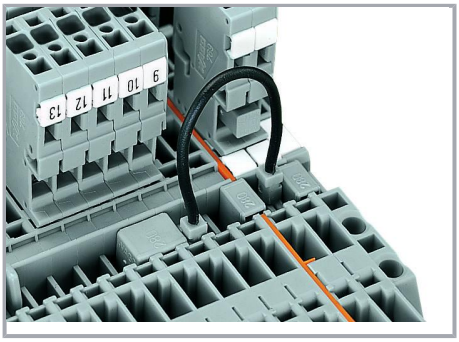
Commoning carrier terminal blocks via staggered jumpers.



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

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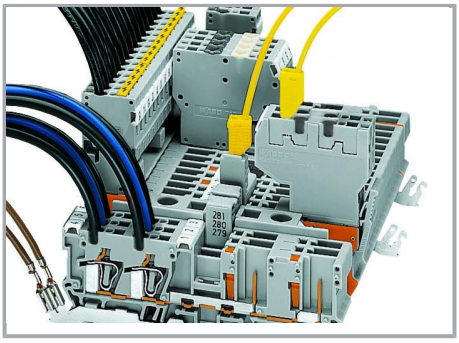
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Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.

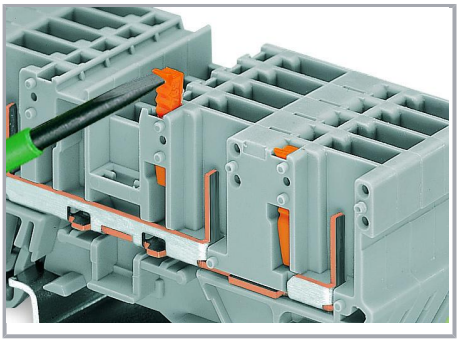
Commoning “supply terminal blocks” (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

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

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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 cannot be commoned.



1-conductor/1-pin disconnect carrier terminal block

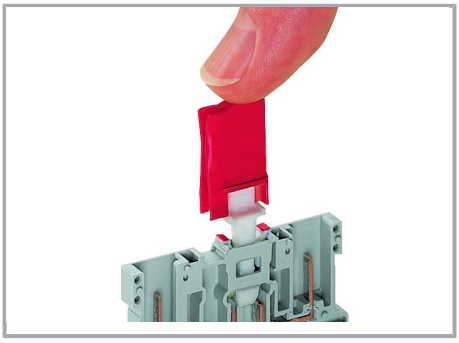
1-connector female plug, straight*

*1-conductor angled female plug is also possible!

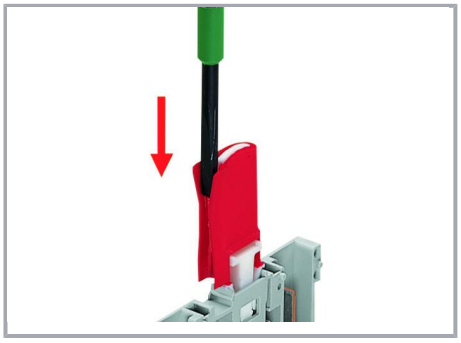
Safety

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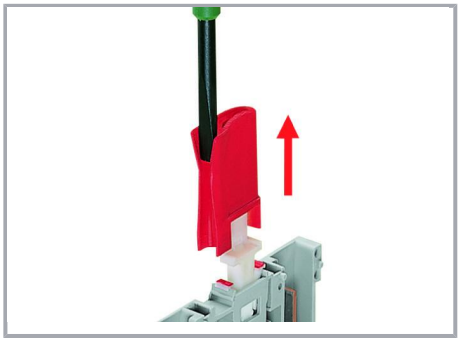
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Installing a disconnect lock on the terminal block's disconnect tab.



Unlocking a disconnect lock.



Removing a disconnect lock.

Product family

X-COM
Show all products from the family

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