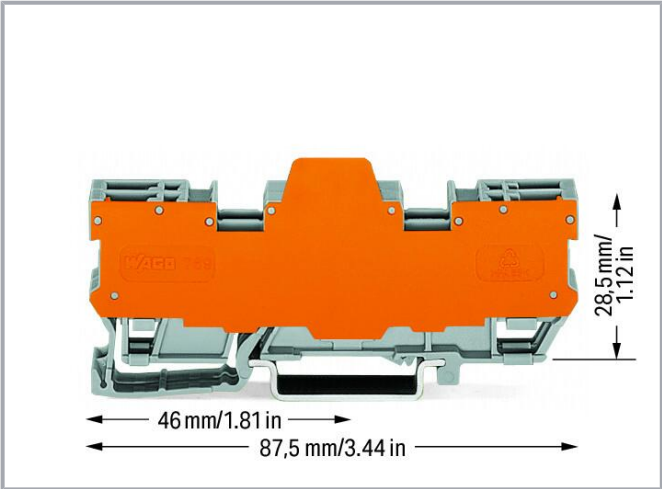
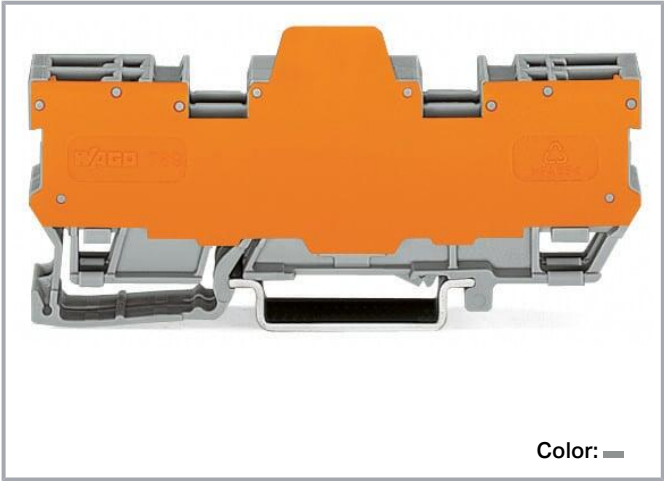


Data sheet | Item number: 769-162/769-313
2-pin terminal block for pluggable modules; 4-pole; with 2 jumper positions;
with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/769-162/769-313



Data
Notes

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

Electrical data

Ratings per IEC/EN

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

Power Loss

Rated current I_N for specified power loss	16 A
--	------

Connection data

Total number of potentials	4
Number of levels	1

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

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Connection 1

Pole number	4
Wiring direction	Front-entry wiring

Physical data

Width	11.1 mm / 0.437 inches
Height	87.5 mm / 3.445 inches
Depth from upper-edge of DIN-rail	28.5 mm / 1.122 inches

Mechanical Data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center 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	0.402 MJ
Weight	17.7 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
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)	10 pcs

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Packaging type	box
Country of origin	DE
GTIN	4044918630146
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
	CSA CSA Group	C22.2	1101144
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01
	UL Underwriters Laboratories Inc.	UL 1977	E 45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172

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	-	-

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

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Approvals for marine applications

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

Counterpart

**Item no. 769-102**

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray www.wago.com/769-102

**Item no. 769-102/022-000**

1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray www.wago.com/769-102/022-000

Required accessories

End plate

End plate

**Item no.: 769-309**

End and intermediate plate; 1.1 mm thick; gray www.wago.com/769-309

**Item no.: 769-310**

End and intermediate plate; 1.1 mm thick; orange www.wago.com/769-310

Optional accessories

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

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

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**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**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**End plate**

End plate

**Item no.: 769-313**

Separator plate; 1.1 mm thick; oversized; orange

www.wago.com/769-313**Plugs**

Component module with a fuse

**Item no.: 286-890**

Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 24 VAC/DC; gray

www.wago.com/286-890**Item no.: 286-891**

Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 230 VAC/DC; gray

www.wago.com/286-891

Component module with LED

**Item no.: 286-822**

Component module with LED; Red LED; with common cathode

www.wago.com/286-822

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

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AND gate module

	Item no.: 286-826 AND gate module with 6 inputs; light gray	www.wago.com/286-826
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Relay module

	Item no.: 286-336/001-000 Relay module; Nominal input voltage: 24 VDC; 2 break and 2 make contacts; Red status indicator; Module width: 25 mm; gray	www.wago.com/286-336/001-000
	Item no.: 286-352/004-000 Relay module; Nominal input voltage: 24 VDC; 4 make contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 25 mm; gray	www.wago.com/286-352/004-000
	Item no.: 286-344/004-000 Relay module; Nominal input voltage: 24 VDC; 3 break contacts and 1 make contact; Railway; Red status indicator; Module width: 25 mm; gray	www.wago.com/286-344/004-000
	Item no.: 286-364/004-000 Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray	www.wago.com/286-364/004-000
	Item no.: 286-368/004-000 Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 10 mm; gray	www.wago.com/286-368/004-000
	Item no.: 286-364 Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray	www.wago.com/286-364
	Item no.: 286-368 Relay module; Nominal input voltage: 24 VDC; 1 break contact; Limiting continuous current: 5 A; Red status indicator; Module width: 10 mm; gray	www.wago.com/286-368

Component module with diode

	Item no.: 286-809 Component module with diode; with 9 pcs; Diode 1N4007; with common anode; gray	www.wago.com/286-809
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S0 interface power supply unit

	Item no.: 286-742 S0 interface power supply; Input voltage: 230 VAC; S0 interface	www.wago.com/286-742
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Empty component plug housing

	Item no.: 280-804 Empty component plug housing; 10 mm wide; Type 3; 4-pole; gray	www.wago.com/280-804
	Item no.: 286-113 Empty component plug housing; Type 12; 25 mm wide; 10-pole; gray	www.wago.com/286-113
	Item no.: 286-110 Empty component plug housing; Type 9; 10 mm wide; 4-pole; gray	www.wago.com/286-110
	Item no.: 786-103 Empty component plug housing; Type 16; 25 mm wide; 10-pole; gray	www.wago.com/786-103

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

Current flow monitoring module

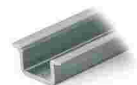
**Item no.: 286-664**Current flow monitoring module; AC currents; Monitoring range: 0.2 A – 3 A; 1 changeover contact; light gray www.wago.com/286-664**Item no.: 286-665**Current flow monitoring module; AC currents; Monitoring range: 1 A – 10 A; 1 changeover contact; light gray www.wago.com/286-665

Optocoupler module

**Item no.: 286-794**Optocoupler module; Nominal input voltage: 24 VDC; Red status indicator; gray www.wago.com/286-794**Item no.: 286-791**Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 20 ... 60 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Frequency: 3 kHz; Red status indicator; Module width: 10 mm; gray www.wago.com/286-791

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

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**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

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

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

Testing and measuring

Testing accessories

**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**

www.wago.com/280-404

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

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Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray



Item no.: 280-419

Spacer module; modular; bridging commoned terminal blocks; gray

www.wago.com/280-419

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

769-162/769-313	2019 Feb 19	xml	Download
X81 - Datei		3.1 kB	

769-162/769-313	2017 Oct 4	doc	Download
doc - Datei		25.6 kB	

Additional Information

pdf
2.3 MB

Download

CAD/CAE-Data

CAD data

2D/3D Models 769-162/769-313	URL	Download
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CAE data

EPLAN Data Portal 769-162/769-313	URL	Download
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WSCAD Universe 769-162/769-313	URL	Download
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ZUKEN Portal 769-162/769-313	URL	Download
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EPLAN Data Portal 769-162/769-313	URL	Download
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WSCAD Universe 769-162/769-313	URL	Download
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Subject to changes. Please also observe the further product documentation!

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Asset Administration Shell

Asset Administration Shell 769-162/769-313	URL	Download
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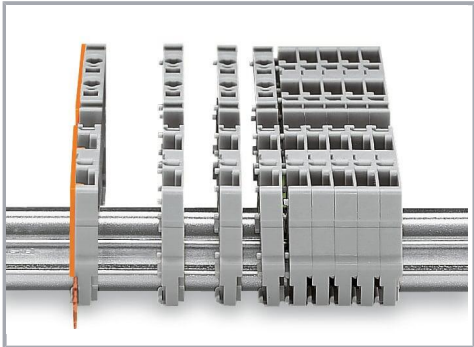
Environmental Product Compliance

Compliance Search

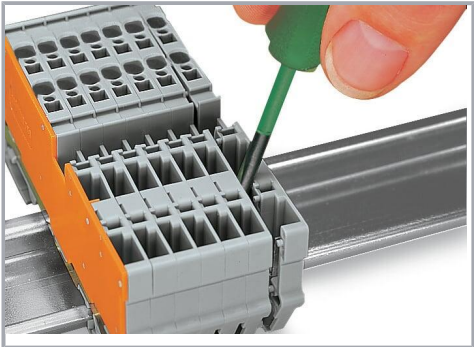
Environmental Product Compliance 769-162/769-313	URL	Download
2-pin terminal block for pluggable modules; 4-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray		

Installation Notes

Installation



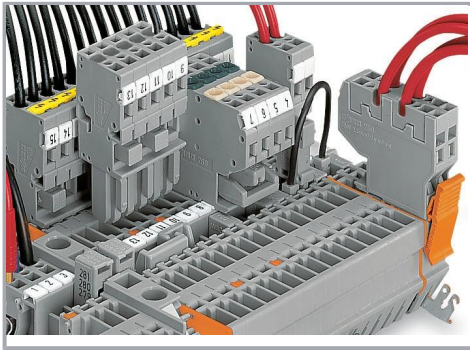
Snap individual carrier terminal blocks onto the DIN-rail and slide together.



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

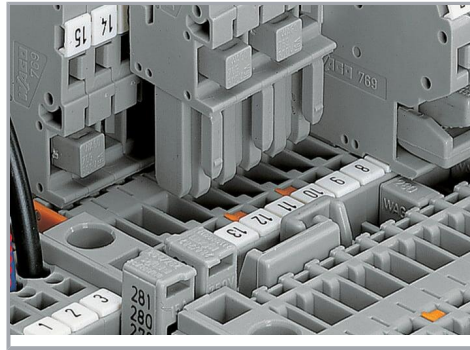
Commoning

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

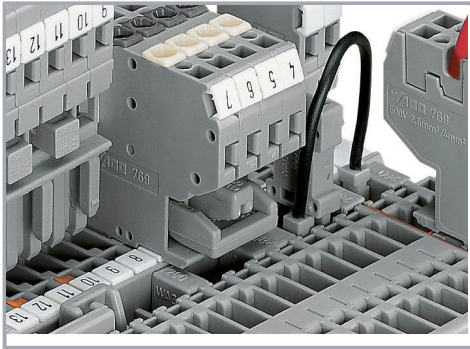


Commoning with adjacent or staggered jumpers.

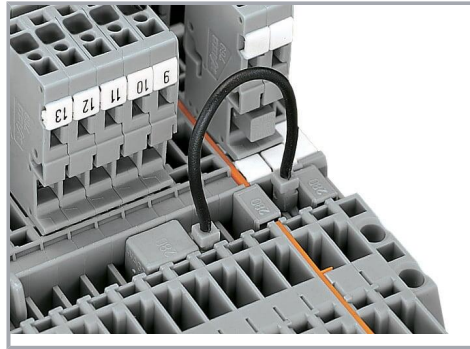
Push jumpers down until fully inserted.



Commoning carrier terminal blocks via staggered jumpers.



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

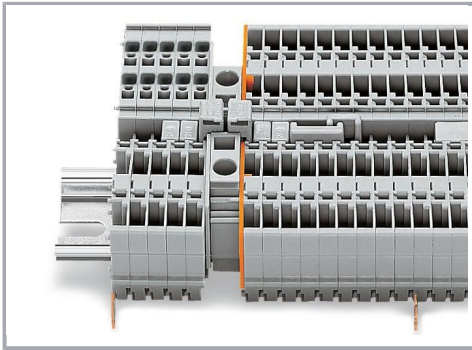


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.

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

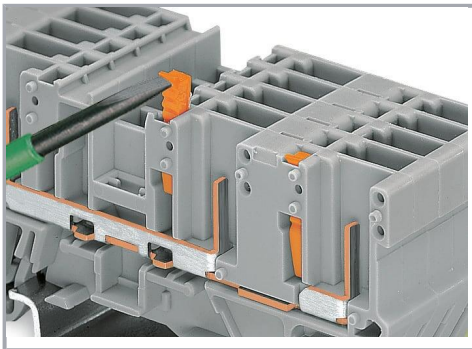
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Commoning "supply terminal blocks" (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

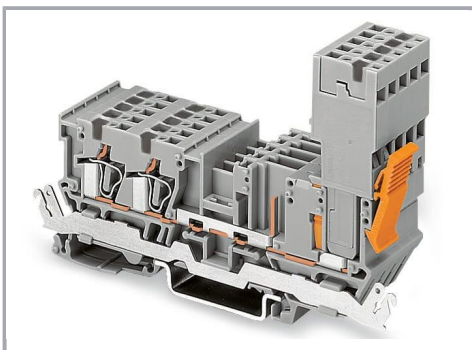
Coding



Snap coding pin in proper direction on carrier terminal block.

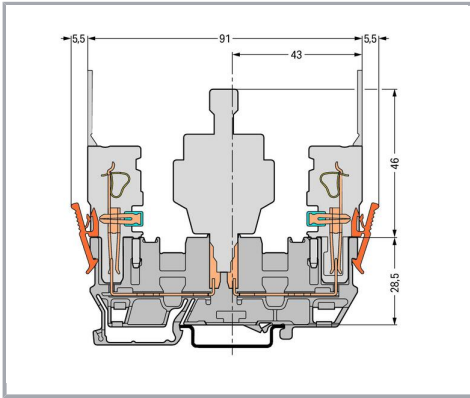
Shown: Coding pin removal from carrier terminal block.

Locking system



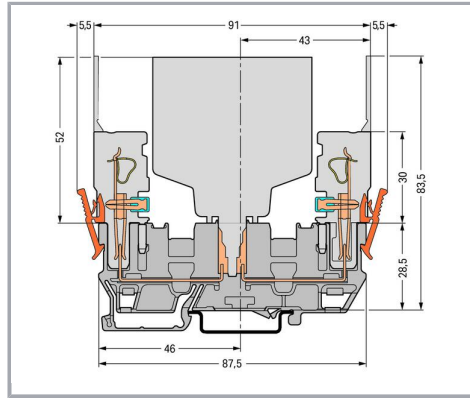
Securing a female plug via locking lever on the terminal block side.

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



Carrier terminal block

For other dimensions, see carrier terminal block (769-151).



Carrier terminal block

Product family

X-COM

[Show all products from the family](#)

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

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