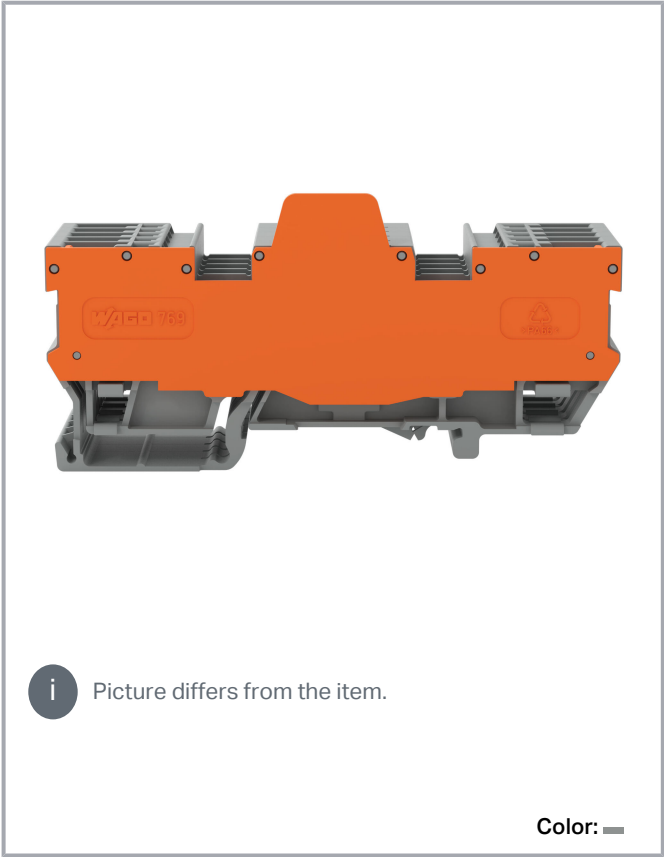


Data sheet | Item number: 769-164/769-313
2-pin terminal block for pluggable modules; 8-pole; with 2 jumper positions;
with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray
www.wago.com/769-164/769-313



i Picture differs from the item.

Color:

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

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

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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	8
----------------------------	---

Number of levels	1
------------------	---

Connection 1

Pole number	8
-------------	---

Wiring direction	Front-entry wiring
------------------	--------------------

Physical data

Width	21.1 mm / 0.831 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	0.736 MJ
-----------	----------

Weight	33.1 g
--------	--------

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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)	5 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918630207
Customs tariff number	85369010000

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-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

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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	-	-

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.769-104

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; coding finger; 4,00 mm²; gray www.wago.com/769-104



Item no.769-104/022-000

1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; coding finger; 4,00 mm²; gray www.wago.com/769-104/022-000

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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

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

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

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

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

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

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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**

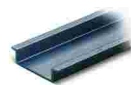
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored www.wago.com/210-112

**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

End plate

End plate

**Item no.: 769-313**

Separator plate; 1.1 mm thick; oversized; orange www.wago.com/769-313

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

Push-in type wire jumper

Jumper

Item no.: 249-123

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

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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

Plugs

Component module with LED

**Item no.: 286-822**

Component module with LED; Red LED; with common cathode

www.wago.com/286-822

AND gate module

**Item no.: 286-826**

AND gate module with 6 inputs; light gray

www.wago.com/286-826

Relay module

**Item no.: 286-328/004-000**

Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-328/004-000**Item no.: 286-312**

Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-312**Item no.: 286-328**

Relay module; Nominal input voltage: 24 VDC; 2 make contact; Limiting continuous current: 6 A; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-328**Item no.: 286-312/004-000**

Relay module; Nominal input voltage: 24 VDC; 2 changeover contacts; Limiting continuous current: 5 A; Railway; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-312/004-000**Item no.: 286-316**

Relay module; Nominal input voltage: 220 VDC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-316**Item no.: 286-320**

Relay module; Nominal input voltage: 24 VDC; 1 break and 1 make contact; Limiting continuous current: 6 A; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-320**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**

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

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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.: 286-320/004-000

Relay module; Nominal input voltage: 24 VDC; 1 break and 1 make contact; Railway; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-320/004-000



Item no.: 286-516

Relay module; Nominal input voltage: 230 VAC; 2 changeover contacts; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray

www.wago.com/286-516

Component module with diode



Item no.: 286-807

Component module with diode; with 7 pcs; Diode 1N4007; with common anode; gray

www.wago.com/286-807



Item no.: 286-809

Component module with diode; with 9 pcs; Diode 1N4007; with common anode; gray

www.wago.com/286-809

S0 interface power supply unit



Item no.: 286-742

S0 interface power supply; Input voltage: 230 VAC; S0 interface

www.wago.com/286-742

Timer relay module



Item no.: 286-604/004-000

Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; On-delay: 10 ... 100 s; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-604/004-000



Item no.: 286-640/004-000

Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 5 A; Railway; Multifunction; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-640/004-000



Item no.: 286-640

Timer relay module; Nominal input voltage: 24 VDC; Limiting continuous current: 6 A; Railway; Multifunction/Multitime; Red status indicator; Module width: 20 mm; gray

www.wago.com/286-640

Empty component plug housing



Item no.: 286-112

Empty component plug housing; Type 11; 20 mm wide; 8-pole; gray

www.wago.com/286-112



Item no.: 286-113

Empty component plug housing; Type 12; 25 mm wide; 10-pole; gray

www.wago.com/286-113



Item no.: 786-102

Empty component plug housing; Type 15; 20 mm wide; 8-pole; gray

www.wago.com/786-102



Item no.: 786-103

Empty component plug housing; Type 16; 25 mm wide; 10-pole; gray

www.wago.com/786-103

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

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

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Current flow monitoring module; AC currents; Monitoring range: 1 A – 10 A; 1 changeover contact; light gray www.wago.com/286-665



Item no.: 286-661

Current flow monitoring module; AC currents; light gray

www.wago.com/286-661

Optocoupler module



Item no.: 286-792

Optocoupler module; Red status indicator; gray

www.wago.com/286-792

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

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

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

Downloads
Documentation

Bid Text

769-164/769-313 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
769-164/769-313 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

Additional Information

pdf
2.3 MB
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CAD/CAE-Data

CAD data

2D/3D Models 769-164/769-313	URL	Download
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CAE data

EPLAN Data Portal 769-164/769-313	URL	Download
WSCAD Universe 769-164/769-313	URL	Download
ZUKEN Portal 769-164/769-313	URL	Download
EPLAN Data Portal 769-164/769-313	URL	Download
WSCAD Universe 769-164/769-313	URL	Download
Asset Administration Shell		
Asset Administration Shell 769-164/769-313	URL	Download

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-164/769-313

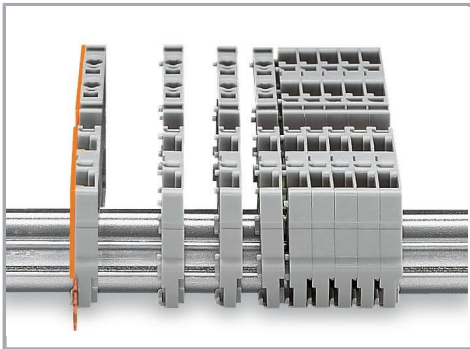
URL

Download

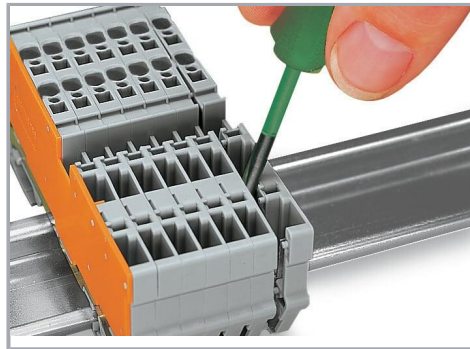
2-pin terminal block for pluggable modules; 8-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray

Installation Notes

Installation

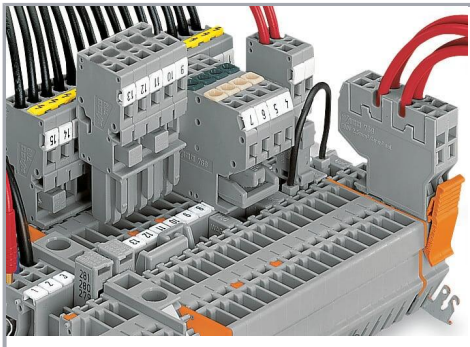


Snap individual carrier terminal blocks onto the DIN-rail and slide together.

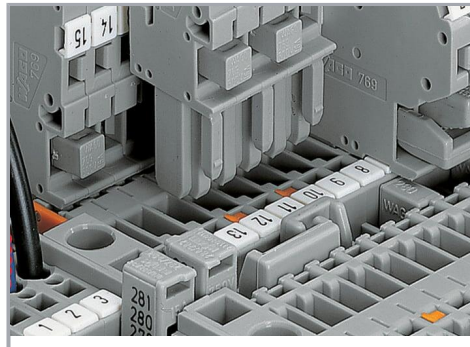


Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

Commoning

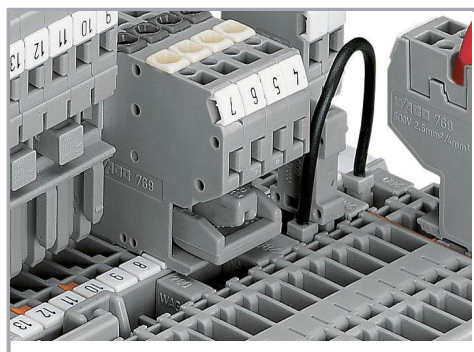


Commoning with adjacent or staggered jumpers.
Push jumpers down until fully inserted.

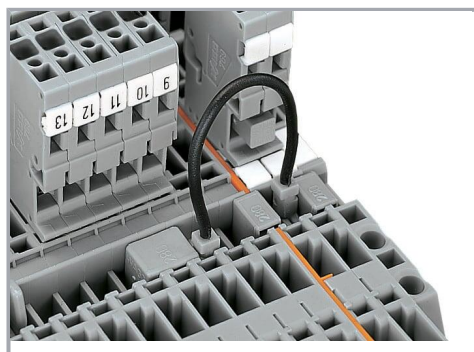


Commoning carrier terminal blocks via staggered jumpers.

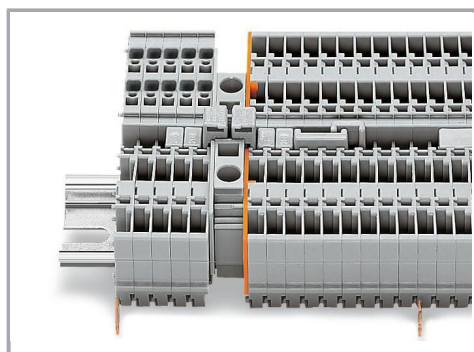
Subject to changes. Please also observe the further product documentation!



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

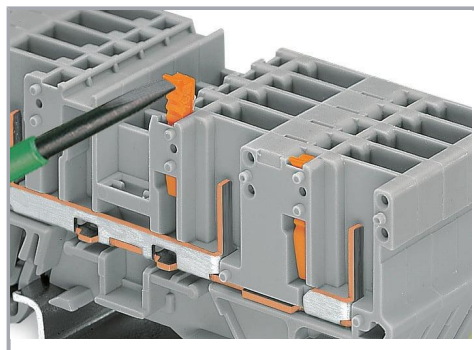


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



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

Coding



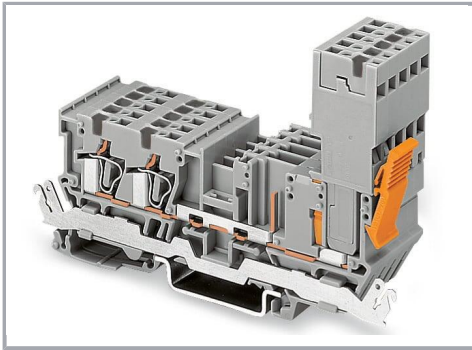
Snap coding pin in proper direction on carrier terminal block.
Shown: Coding pin removal from carrier terminal block.

Locking system

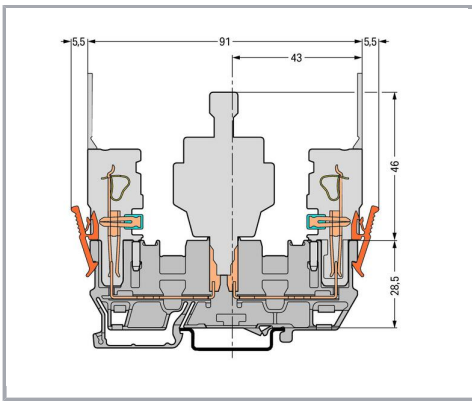
Subject to changes. Please also observe the further product documentation!

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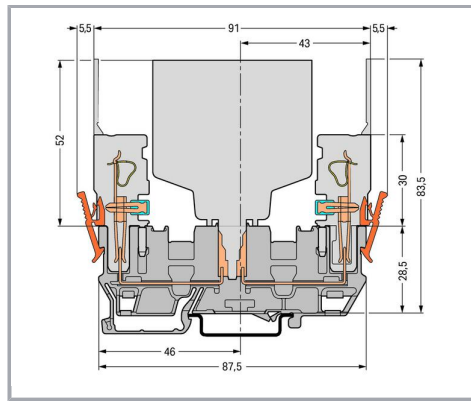
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Securing a female plug via locking lever on the terminal block side.



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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