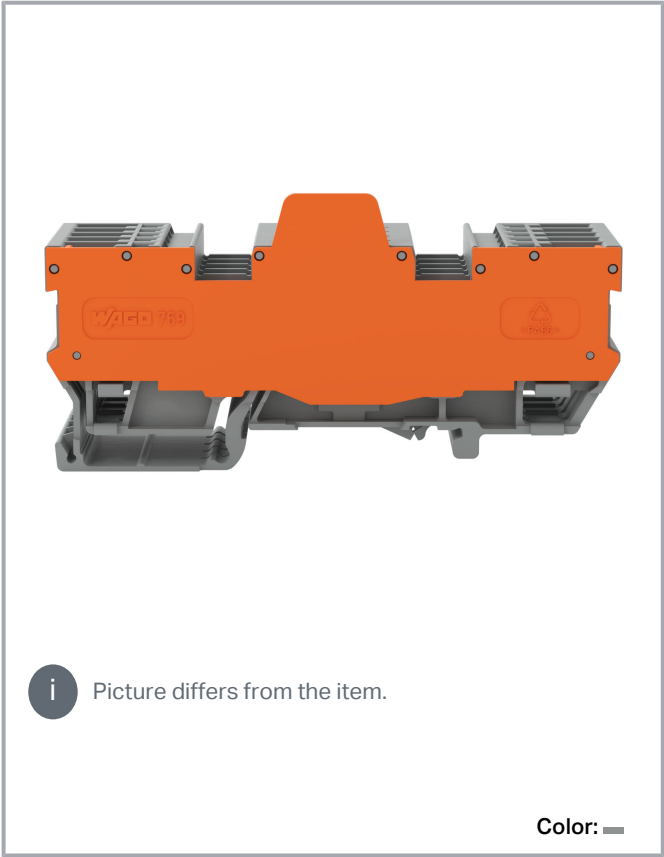


Data sheet | Item number: 769-163/769-313
2-pin terminal block for pluggable modules; 6-pole; with 2 jumper positions;
with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray
www.wago.com/769-163/769-313



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) $\triangleq$ Overvoltage category III / Pollution degree 3

Power Loss

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

Connection data

Total number of potentials	6
----------------------------	---

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

Connection 1

Pole number	6
-------------	---

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

Physical data

Width	16.1 mm / 0.634 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	0.569 MJ
-----------	----------

Weight	25.4 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	4044918630160
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

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



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.769-103/022-000
 1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-103/022-000



Item no.769-103
 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-103

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

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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

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

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

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

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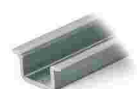
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**Item no.: 210-118**

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**

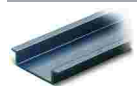
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

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**Plugs**

Switching module

**Item no.: 286-896**

Switching module; with momentary switch; Switching voltage: 250 VAC; Switching current: 6 A; gray

www.wago.com/286-896**Item no.: 286-895**

Switching module; with changeover rocker switch; Switching voltage: 250 VAC; Switching current: 6 A; gray

www.wago.com/286-895

Fuse plug

**Item no.: 281-511**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; without blown fuse indication; 6 mm wide; gray

www.wago.com/281-511**Item no.: 281-512/281-501**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; with LED indicator; 24 V AC/DC; 6 mm wide; gray

www.wago.com/281-512/281-501**Item no.: 281-512**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; with port for LED; 6 mm wide; gray

www.wago.com/281-512**Item no.: 281-512/281-418**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; with blown fuse indication by neon lamp; 120 V; 6 mm wide; gray

www.wago.com/281-512/281-418**Item no.: 281-512/281-417**

Fuse plug; with pull-tab; for miniature metric fuses 5 x 20 mm and 5 x 25 mm; with blown fuse indication by neon lamp; 230 V; 6 mm wide; gray

www.wago.com/281-512/281-417

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**www.wago.com/286-826

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

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AND gate module with 6 inputs; light gray

Relay module		
	Item no.: 286-307/004-000 Relay module; Nominal input voltage: 110 VDC; 1 changeover contact; Limiting continuous current: 3 A; Railway; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-307/004-000
	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.: 286-376 Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 5 A; for switching higher DC loads; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-376
	Item no.: 286-394/004-000 Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 1 A; with gold contacts; Railway; Red status indicator; Module width: 15 mm; light gray	www.wago.com/286-394/004-000
	Item no.: 286-380 Bistable relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-380
	Item no.: 286-573 Latching relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Red status indicator; Module width: 15 mm	www.wago.com/286-573
	Item no.: 286-304 Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-304
	Item no.: 286-304/004-000 Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 6 A; Railway; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-304/004-000
	Item no.: 286-508 Relay module; Nominal input voltage: 230 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-508
	Item no.: 286-507 Relay module; Nominal input voltage: 115 VAC; 1 changeover contact; Limiting continuous current: 7 A; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-507
Component module with diode		
	Item no.: 286-805 Component module with diode; with 5 pcs; Diode 1N4007; with common anode; gray	www.wago.com/286-805
	Item no.: 286-809 Component module with diode; with 9 pcs; Diode 1N4007; with common anode; gray	www.wago.com/286-809

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



S0 interface power supply unit		
	Item no.: 286-742 S0 interface power supply; Input voltage: 230 VAC; S0 interface	www.wago.com/286-742
Empty component plug housing		
	Item no.: 286-113 Empty component plug housing; Type 12; 25 mm wide; 10-pole; gray	www.wago.com/286-113
	Item no.: 286-111 Empty component plug housing; Type 10; 15 mm wide; 6-pole; gray	www.wago.com/286-111
	Item no.: 786-101 Empty component plug housing; Type 14; 15 mm wide; 6-pole; gray	www.wago.com/786-101
	Item no.: 786-103 Empty component plug housing; Type 16; 25 mm wide; 10-pole; gray	www.wago.com/786-103
Bridge rectifier module		
	Item no.: 286-830 Bridge rectifier module; Input voltage: 24 VAC; with varistor protective circuit; gray	www.wago.com/286-830
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
	Item no.: 286-662 Current flow monitoring module; DC currents; Monitoring range: 0.4 A – 3.5 A; 1 make contact; light gray	www.wago.com/286-662
Optocoupler module		
	Item no.: 286-721 Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 15 ... 30 VDC; Limiting continuous current: 5 A; 3-wire connection/low-side switching; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-721
	Item no.: 286-723 Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 15 ... 30 VDC; Limiting continuous current: 4 A; 3-wire connection/high-side switching; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-723
	Item no.: 286-752 Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 20 ... 30 VDC; Limiting continuous current: 0.5 A; 3-wire connection/high-side switching; Frequency: 25 kHz; Red status indicator; Module width: 15 mm; gray	www.wago.com/286-752
	Item no.: 286-752/002-000 Optocoupler module; Red status indicator; gray	www.wago.com/286-752/002-000
Cover		
Cover		

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

**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

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

Push-in type wire jumper

Jumper

**Item no.: 249-123**Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; blackwww.wago.com/249-123**Item no.: 249-126**Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; blackwww.wago.com/249-126**Item no.: 249-127**Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; blackwww.wago.com/249-127**Item no.: 249-125**

Push-in type wire jumper; insulated; 60 mm long; black

www.wago.com/249-125

Testing and measuring

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

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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

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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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

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

Downloads

Documentation

Bid Text

769-163/769-313 X81 - Datei	2019 Feb 19	xml 3.1 kB	Download
769-163/769-313 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

Additional Information

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pdf
2.3 MB Download

CAD/CAE-Data

CAD data

2D/3D Models 769-163/769-313	URL	Download
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CAE data

EPLAN Data Portal 769-163/769-313	URL	Download
WSCAD Universe 769-163/769-313	URL	Download
EPLAN Data Portal 769-163/769-313	URL	Download
WSCAD Universe 769-163/769-313	URL	Download
ZUKEN Portal 769-163/769-313	URL	Download

Asset Administration Shell

Asset Administration Shell 769-163/769-313	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-163/769-313 2-pin terminal block for pluggable modules; 6-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray	URL	Download
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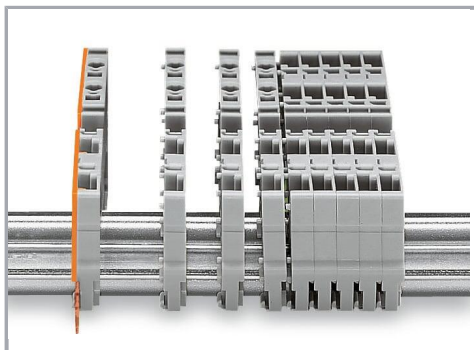
Installation Notes

Installation

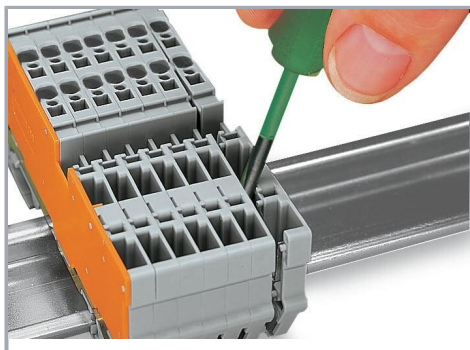
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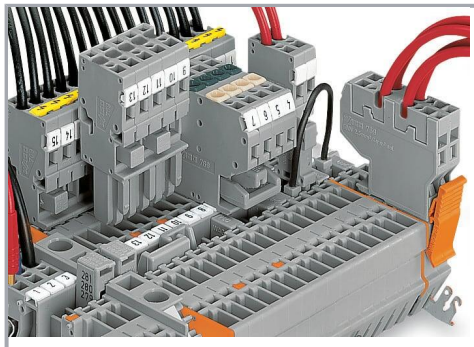


Snap individual carrier terminal blocks onto the DIN-rail and slide together.

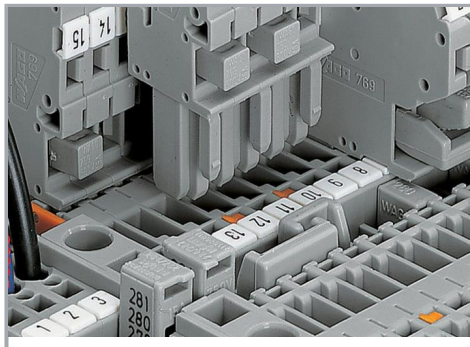


Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

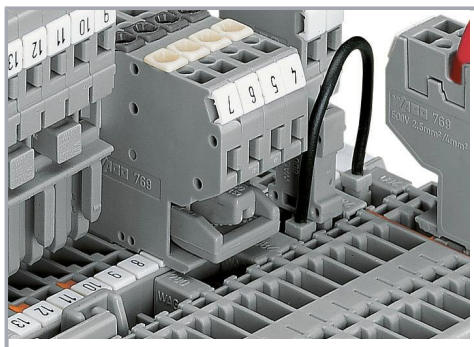
Commoning



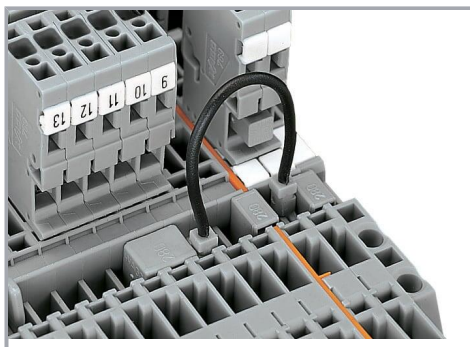
Commoning with adjacent or staggered jumpers.
Push jumpers down until fully inserted.



Commoning carrier terminal blocks via staggered jumpers.



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

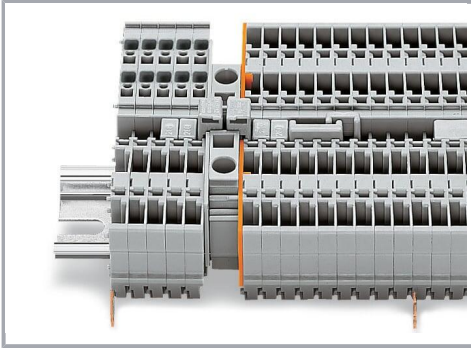


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.

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

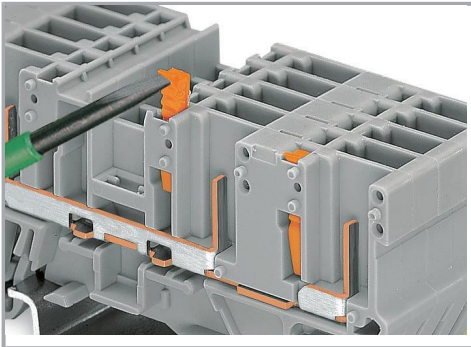
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Commoning "supply terminal blocks" (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

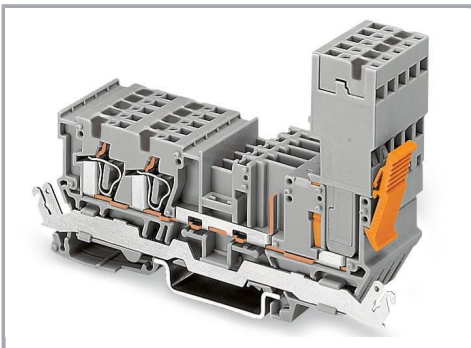
Coding



Snap coding pin in proper direction on carrier terminal block.

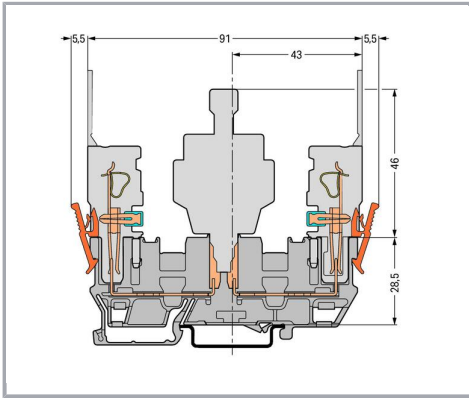
Shown: Coding pin removal from carrier terminal block.

Locking system



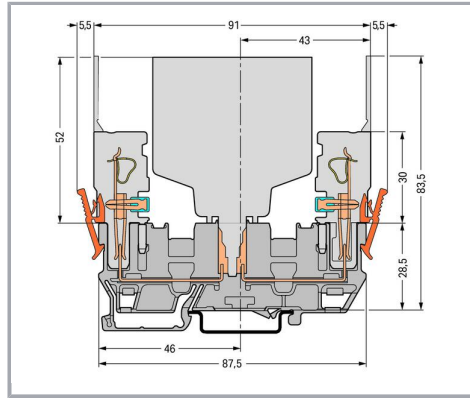
Securing a female plug via locking lever on the terminal block side.

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!