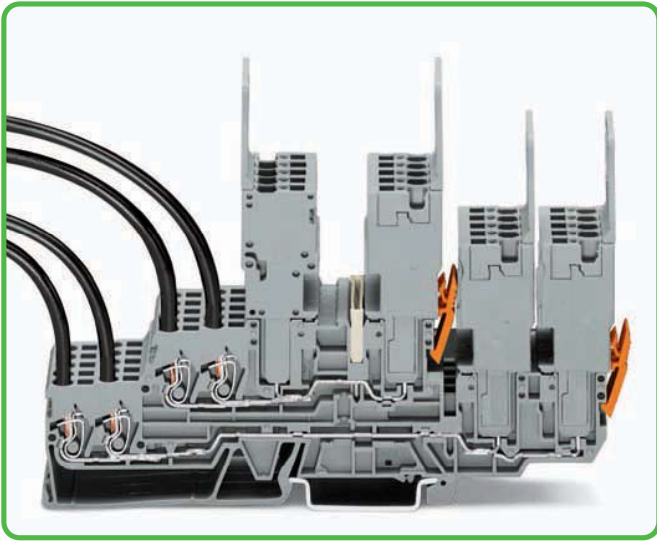


Types of Assembly

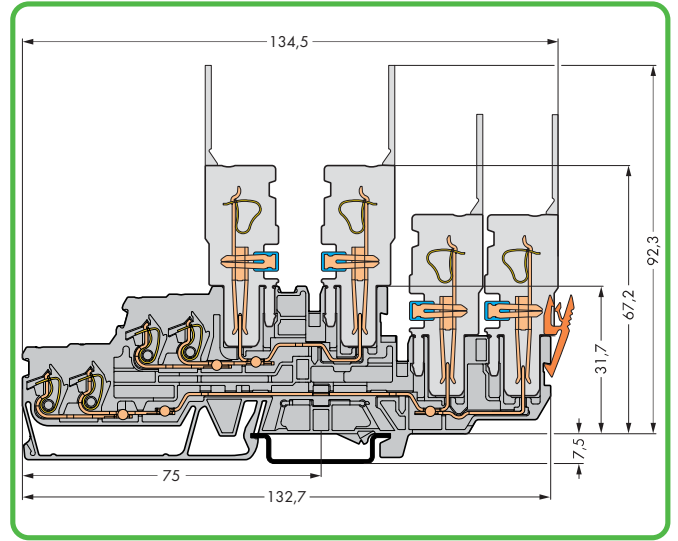
2-Conductor/2-Pin Double-Deck Carrier Terminal Blocks and 1-Conductor Female Plugs



1-conductor female plug
Double-deck carrier terminal blocks can be commoned via 870 Series push-in type jumper bars.

Notice:

Female plugs must be opposing on the upper deck (see above).
Angled 1-conductor female plugs and 2-conductor female plugs cannot be used.



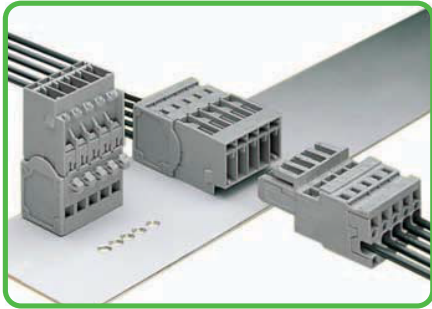
Carrier terminal block

7 X-COM®-SYSTEM Male Headers and Male Connectors, 769 Series

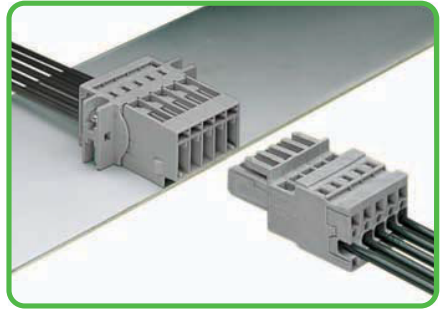
358



Male connector with CAGE CLAMP®. 1-conductor female plug, straight.



Male connector with CAGE CLAMP® connection and mounting feet. 1-conductor female plug, straight.



Male connector with CAGE CLAMP® connection and fixing flanges. 1-conductor female plug, straight.

Male connector with snap-in flanges



Snap-in mounting without tools.

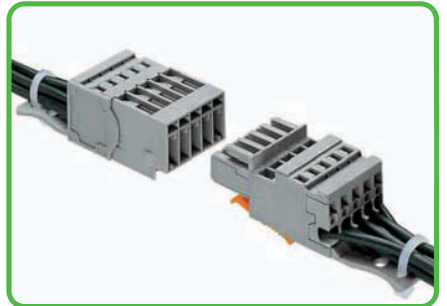


Operating tool



Conductor termination – side-entry wiring (example shows a female plug).

Strain relief plates



Can be snapped in male connector and female plug.

Operating tool



Conductor termination with operating tool (example shows a male connector).



Can also be used with male connectors with snap-in mounting feet.

Marking



Female connector with CAGE CLAMP® with miniature WSB quick marking system

CAGE CLAMP® clamps the following copper conductors:*

solid

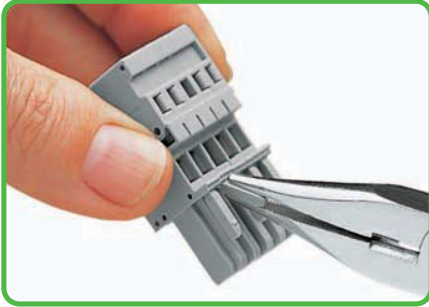
stranded

fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

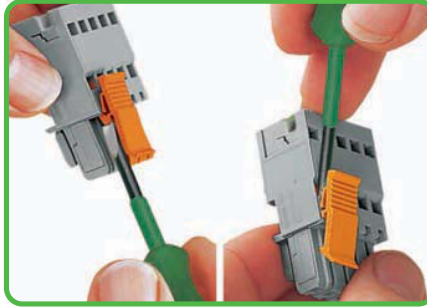
- Description and Handling -

Coding



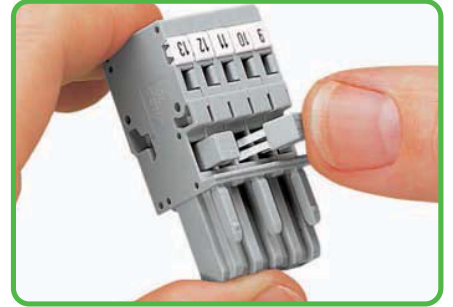
Coding a female plug – removal of coding finger(s). Do not break off the first and last latch position coding fingers!

Locking lever



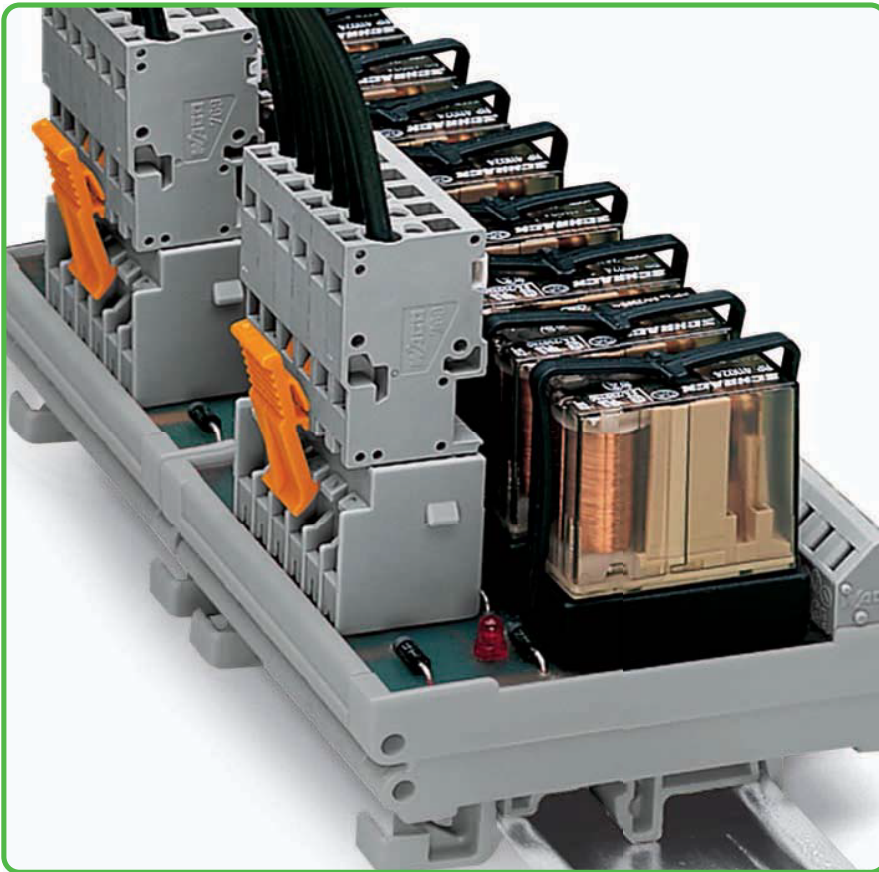
Snapping in/removal of locking lever.

Commoning

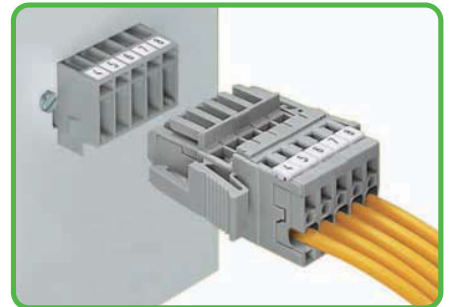


Commoning 1-conductor female plugs with miniature adjacent jumpers.

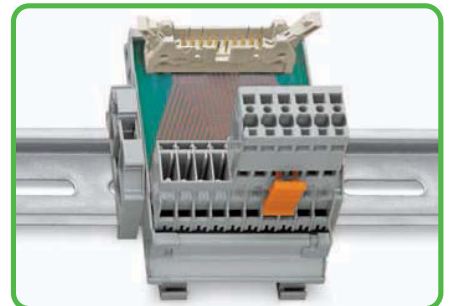
Note: Connectors used according to the regulations shall not be connected or disconnected when live or under load.



Plugging a female connector

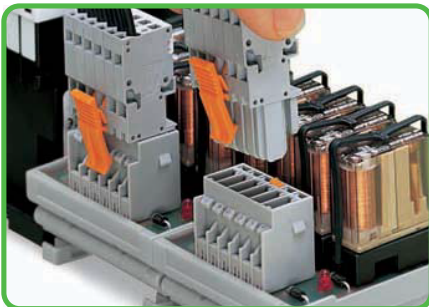


Male header and 1-conductor female plug with lateral locking levers.

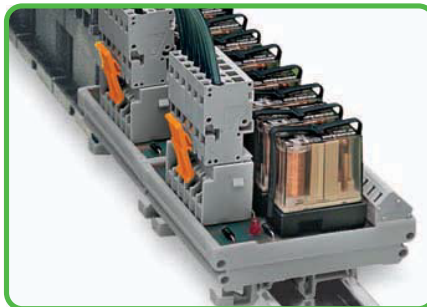


Male headers with solder pins for printed circuit boards.

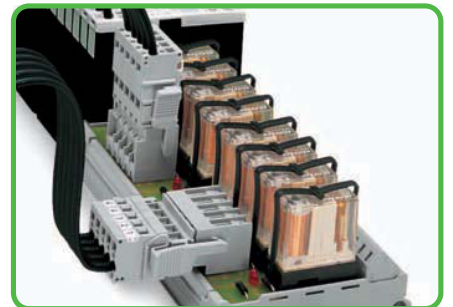
Pluggable PCB connection



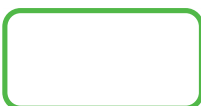
Connection to a relay module inside the switchgear cabinet.



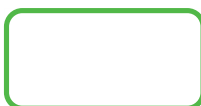
Application example showing a relay module: Male headers with straight solder pins and 1-conductor female plugs.



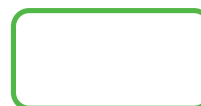
Male headers with solder pins: Integration of PCB sub-assemblies into the system wiring.



fine-stranded,
tip-bonded



fine-stranded,
with ferrule ①
(gaslight crimped)



fine-stranded,
with pin terminal
(gaslight crimped)

① When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

X-COM®-SYSTEM

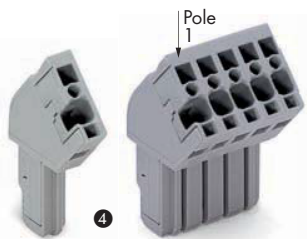
1-Conductor Female Plugs, Angled

CAGE CLAMP®

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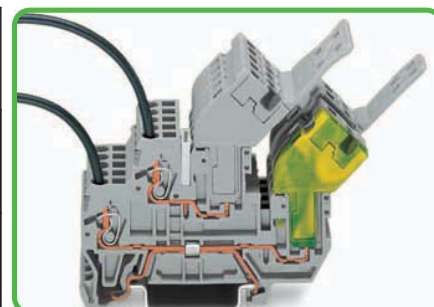
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0.08 - 4 mm² AWG 28 - 12
 500 V/6 kV/3 ① 600 V, 20 A ②
 I_N 32 A ② 300 V, 20 A ③
 module width 5 mm / 0.197 in
 8 - 9 mm / 0.33 in ⑤

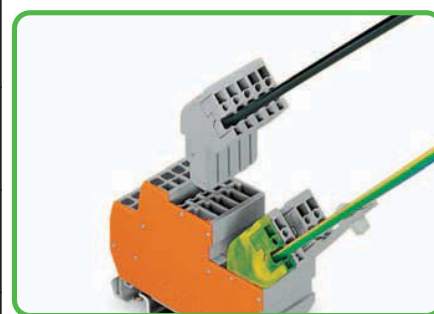


- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 1.4)
- ② See current-carrying capacity curve at www.wago.com
- ③ Strip length, see packaging or instructions.
- ④ Item-no. suffix
blue ... /000-006
green-yellow ... /000-016
- ⑤ See page 375

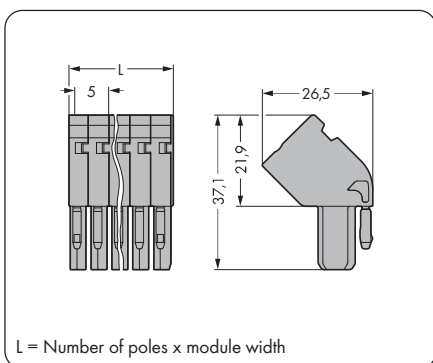
Pole No.	Item No.	Pack. Unit	Accessories
1-conductor female plug, angled, for insertion into carrier terminal blocks or male connectors, with coding fingers, gray			Appropriate marking system: Miniature WSB (see Section 1.3)
1	769-101/022-000	200	Insulation stop, 5 pcs/strip, 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st") white 769-470 200 (8x25)
2	769-102/022-000	100	Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 769-471 200 (8x25)
3	769-103/022-000	50	Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 769-472 200 (8x25)
4	769-104/022-000	50	Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 280-415 100 (4x25)
5	769-105/022-000	50	Operating lever, loose, for female plugs and male connectors with CAGE CLAMP® 769-434 2000 (20x100)
6	769-106/022-000	25	Test plug, with 500 mm cable, 2 mm Ø red 210-136 50
7	769-107/022-000	25	Test plug, with 500 mm cable, 2.3 mm Ø yellow 210-137 50
8	769-108/022-000	25	Strain relief plate, gray 1-pole 769-410 100 (4x25) 2- to 3-pole 769-411 100 (4x25) 4- to 5-pole 769-412 100 (4x25)
9	769-109/022-000	25	Strain relief plate, gray 6- to 9-pole 769-413 100 (4x25) 10- to 15-pole 769-414 100 (4x25)
10	769-110/022-000	25	Snap-on type relief housing, consisting of strain relief support/housing 5-pole 769-1605 25
11	769-111/022-000	20	Miniature WSB Quick marking system, 10 strips with 10 markers per card, 5 mm wide markers plain 248-501 5
12	769-112/022-000	20	
13	769-113/022-000	10	
14	769-114/022-000	10	
15	769-115/022-000	10	



Angled female plugs provide reduced installation height.



Angled female plugs installed on double-deck terminal block.



For list of approvals and user guide, see pages 634 to 637.