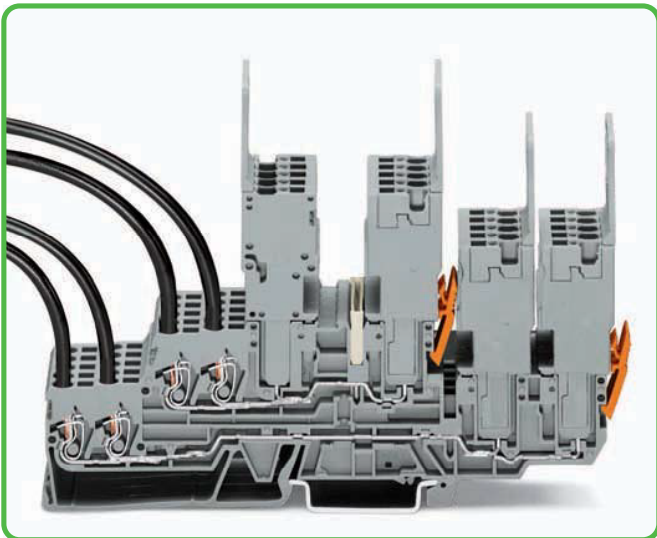


Types of Assembly

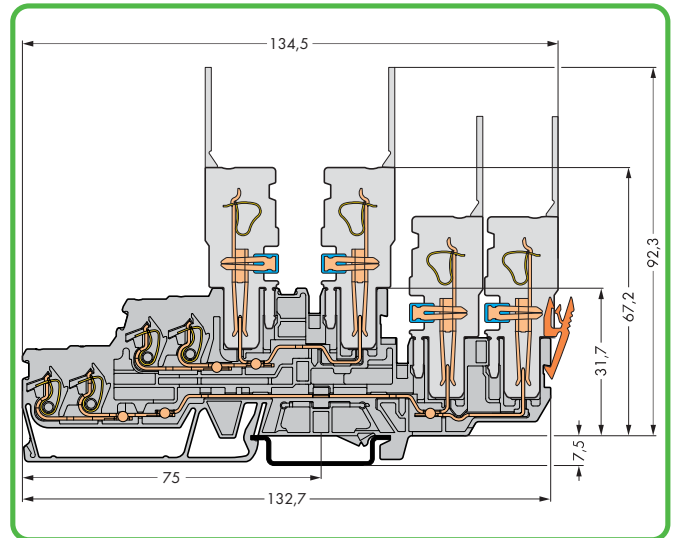
2-Conductor/2-Pin Double-Deck Carrier Terminal Blocks and 1-Conductor Female Plugs



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.

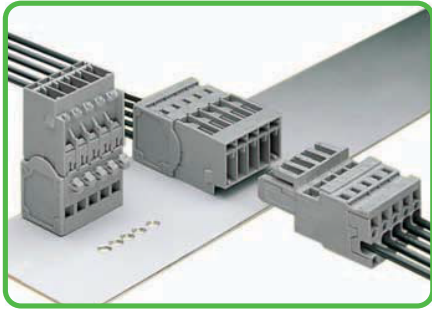


Carrier terminal block

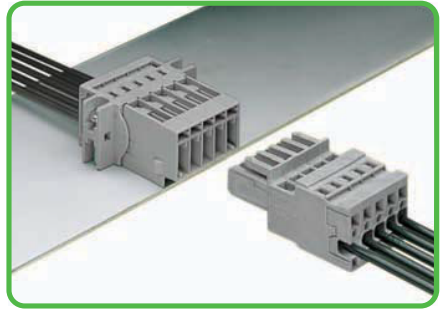
X-COM®-SYSTEM Male Headers and Male Connectors, 769 Series



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.

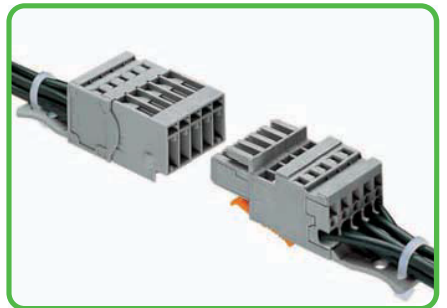


Operating tool



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

Strain relief plates

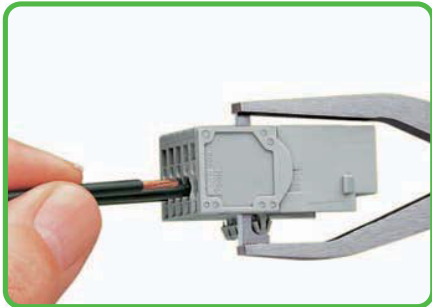


Can be snapped in male connector and female plug.

Operating tool



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

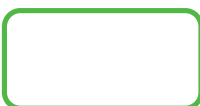


Can also be used with male connectors with snap-in mounting feet.

Marking

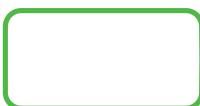


Female connector with CAGE CLAMP® with miniature WSB quick marking system

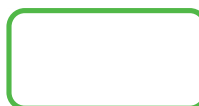


CAGE CLAMP® clamps the following copper conductors:*

solid



stranded

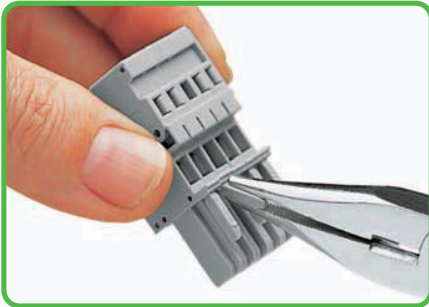


fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

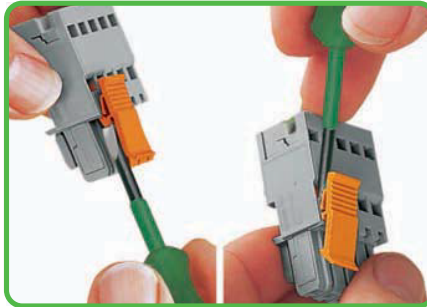
- Description and Handling -

Coding



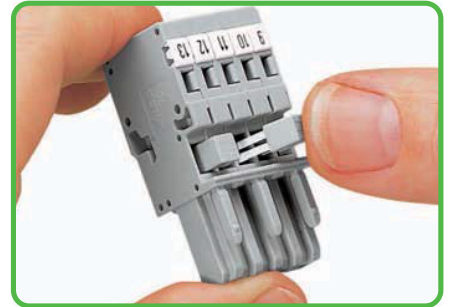
Coding a female plug – removal of coding finger(s). Do not break off the first and last latch position coding fingers!

Locking lever



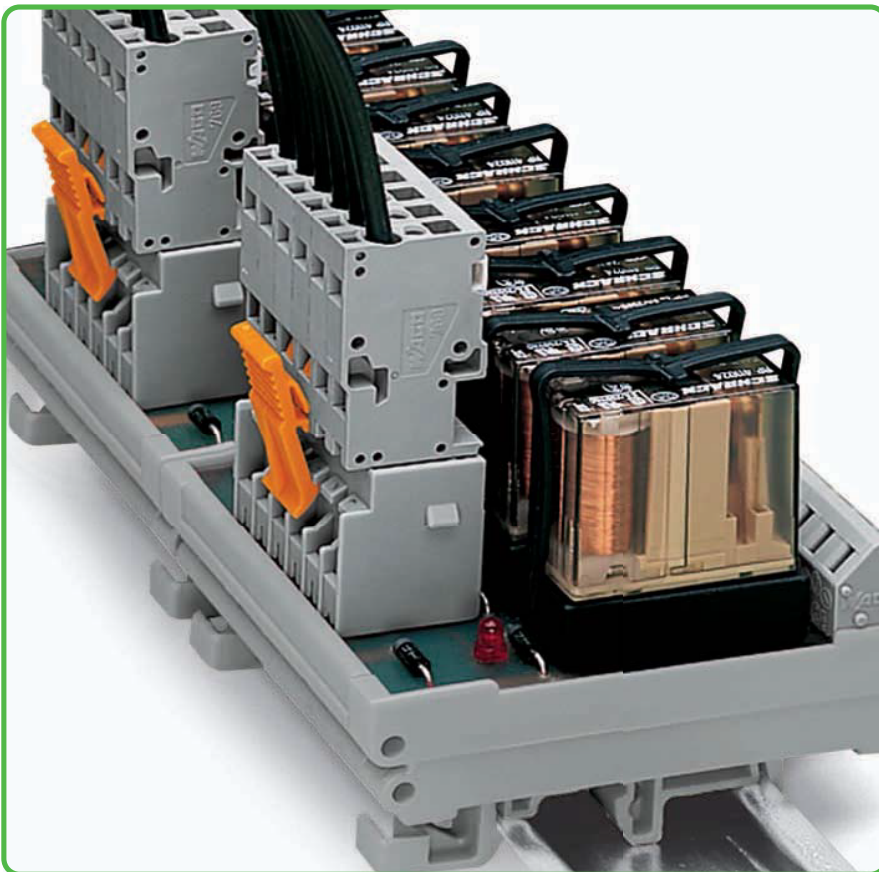
Snapping in/removal of locking lever.

Commoning

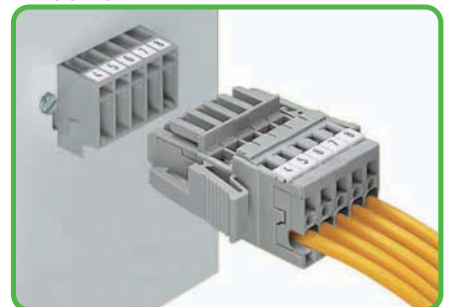


Commoning 1-conductor female plugs with miniature adjacent jumpers.

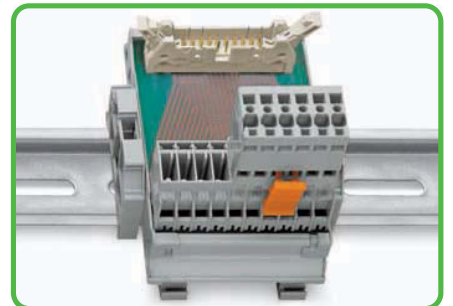
Note: Connectors used according to the regulations shall not be connected or disconnected when live or under load.



Plugging a female connector

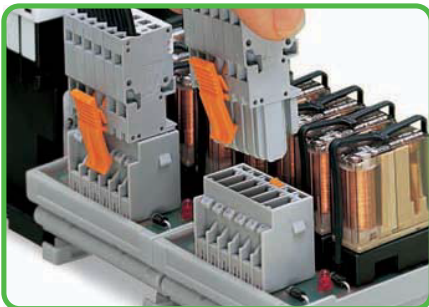


Male header and 1-conductor female plug with lateral locking levers.

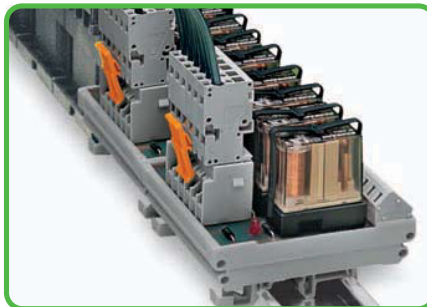


Male headers with solder pins for printed circuit boards.

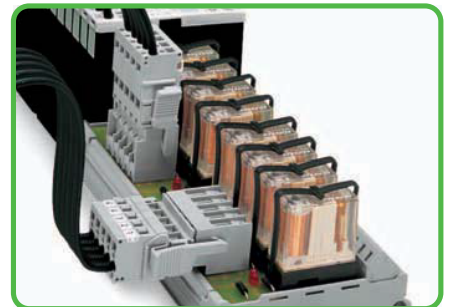
Pluggable PCB connection



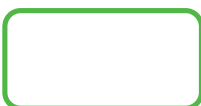
Connection to a relay module inside the switchgear cabinet.



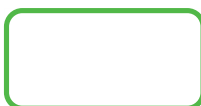
Application example showing a relay module: Male headers with straight solder pins and 1-conductor female plugs.



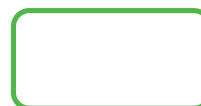
Male headers with solder pins: Integration of PCB sub-assemblies into the system wiring.



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.

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 ②
 module width 5 mm / 0.197 in
 8 - 9 mm / 0.33 in ③



- ① 500 V = rated voltage
6 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ② See current-carrying capacity curve, pages 376 to 379 and at www.wago.com
- ③ Strip length, see packaging or instructions.
- ④ Item-no. suffix
blue . . . /000-006
green-yellow . . . /000-016
- ⑤ **Application examples for 1-pole female plug:**
 - Phase selection in three-phase network
 - Test plug with rated current capability
 - Simplified circuit expansion - addition of base circuits requires only female plugs to be plugged in
- ⑥ See page 375

Pole No.	Item No.	Pack. Unit	Accessories
1-conductor female plug , for insertion into carrier terminal blocks or male connectors, with coding fingers, gray, commoning possible with miniature adjacent jumpers			Appropriate marking system: Miniature WSB (see Section 13)
①	769-101	⑤ 200	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	100	Operating lever , loose,  for female plugs and male connectors with CAGE CLAMP® 769-434 2000 (20x100)
③	769-103	50	
④	769-104	50	Insulation stop ,  5 pcs/strip, 0.25 - 0.5 mm ² light gray 769-471 200 (8x25)
⑤	769-105	50	Locking lever ,  female plugs with 1-pole gray 769-428 100 (4x25) orange 769-429 100 (4x25)
⑥	769-106	25	
⑦	769-107	25	Locking lever ,  female plugs with 2-poles or more orange 769-431 100 (4x25) gray 769-430 100
⑧	769-108	25	
⑨	769-109	25	Insulation stop ,  5 pcs/strip, 0.75 - 1 mm ² dark gray 769-472 200 (8x25)
⑩	769-110	25	
⑪	769-111	20	Miniature adjacent jumper , insulated,  I _N 24 A gray 769-402 100 (4x25)
⑫	769-112	20	
⑬	769-113	10	Jumper cover , for 1-conductor female plugs, for 5 poles  gray 769-436 100 (4x25)
⑭	769-114	10	
⑮	769-115	10	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)
			Strain relief plate , gray 6- to 9-pole 769-413 100 (4x25) 10- to 15-pole 769-414 100 (4x25)
			Protective warning marker , with high-voltage symbol, black, for 5 terminal blocks  yellow 280-415 100 (4x25)
			Snap-on type relief housing , ⑥ consisting of strain relief support/housing 5-pole 769-1605 25
			Miniature WSB Quick marking system ,  10 strips with 10 markers per card, 5 mm wide markers plain 248-501 5
			Miniature WSB Quick marking system , plain,  10 strips with 10 markers per card, 5 mm wide markers yellow 248-501/000-002 red 248-501/000-005 blue 248-501/000-006 gray 248-501/000-007 orange 248-501/000-012 light green 248-501/000-017 green 248-501/000-023 violet 248-501/000-024 5

