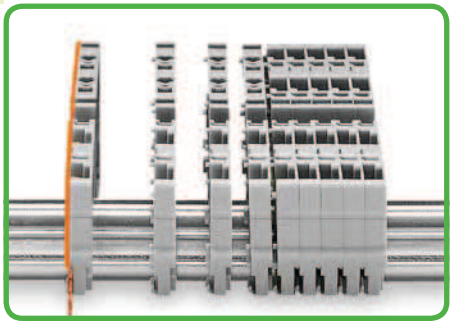
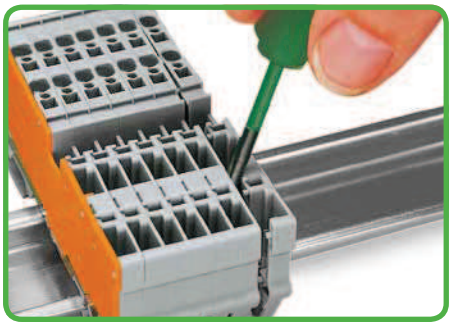
X-COM®-SYSTEM . . .
769 Series

Assembly



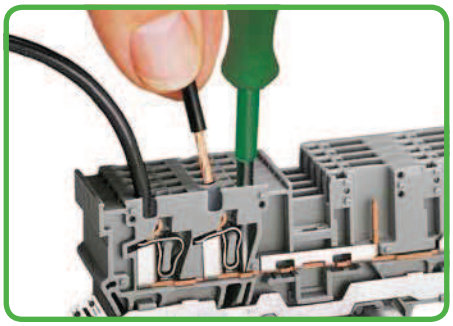
Snap individual carrier terminal blocks onto DIN rail and slide together.

Removal



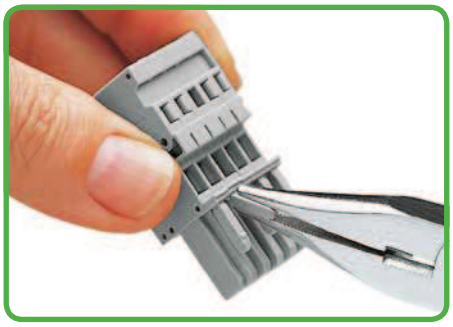
Unlock assembly with (3.5 x 0.5) mm screwdriver and remove terminal block via release lever.

CAGE CLAMP® connection



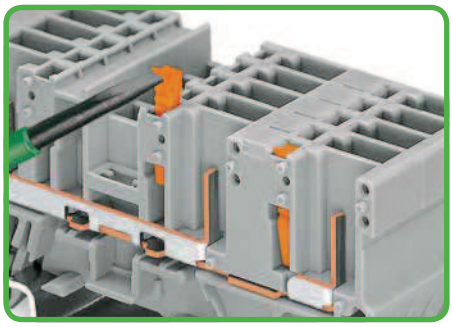
Carrier terminal block: Inserting/removing conductor via (3.5 x 0.5) mm screwdriver.

Coding



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

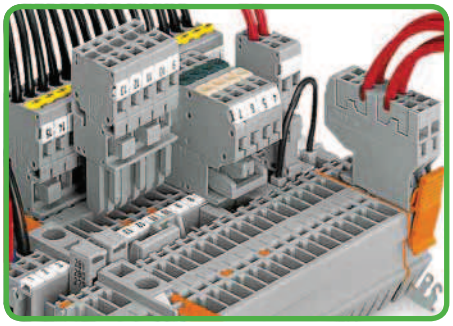
Coding



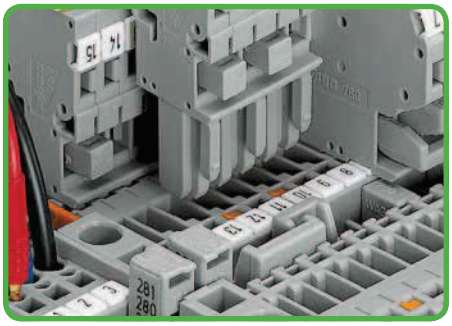
Snap coding pin in proper direction on carrier terminal block.
Shown: Removing coding pin from carrier terminal block.



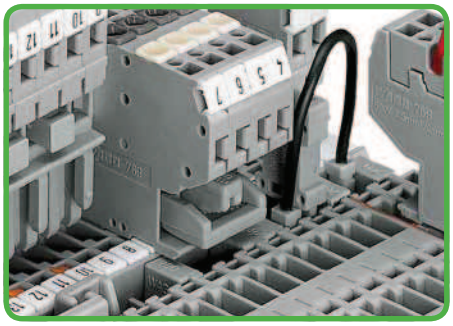
Commoning



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



Commoning carrier terminal blocks via staggered jumpers.



Commoning 2-conductor female plug with staggered jumper and commoning carrier terminal block with adjacent jumper.



CAGE CLAMP® clamps the following copper conductors:

solid

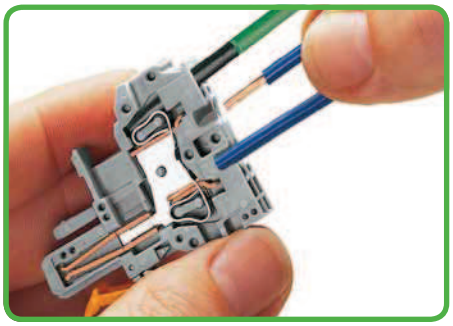


stranded



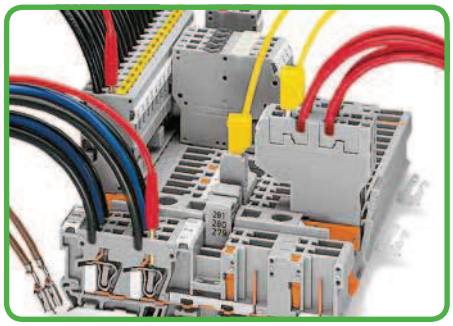
fine-stranded, also with tinned single strands

Strip length, see packaging or instructions.



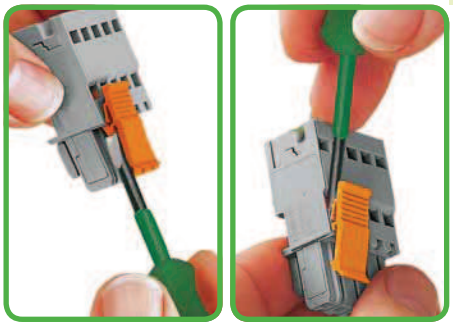
Female plug: Inserting/removing conductor.
Operation 90° to wire also possible.

Testing

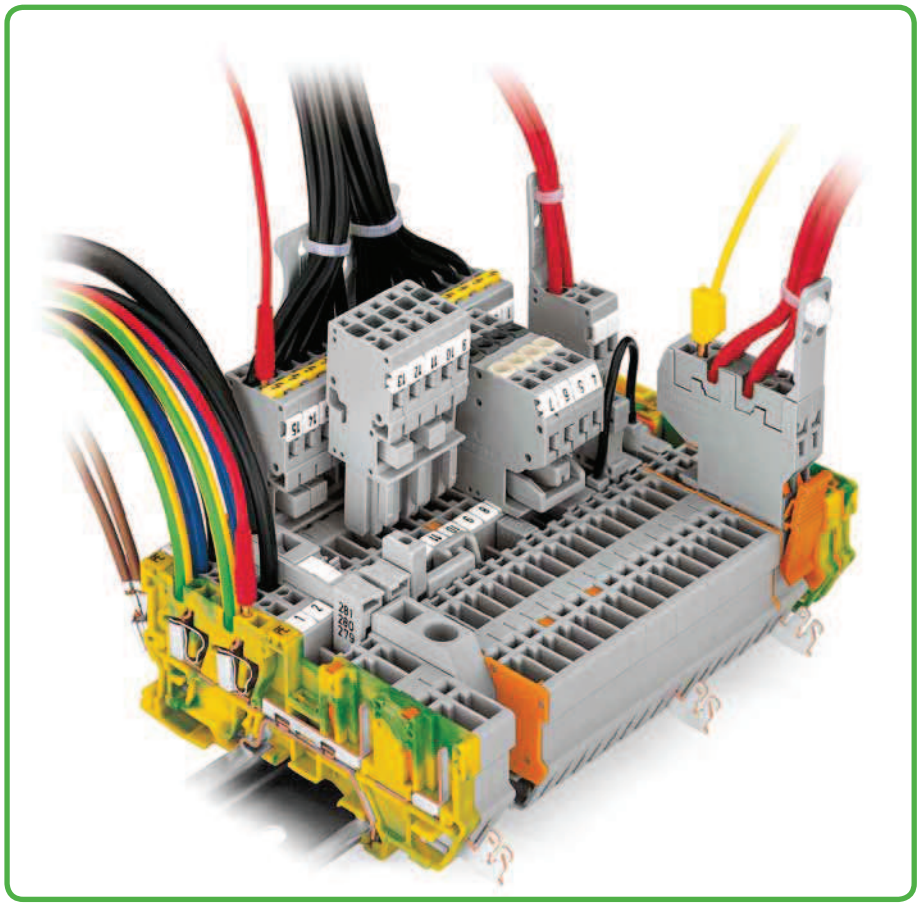


Testing with 2 mm Ø (red)
or 2.3 mm Ø (yellow) test plug.

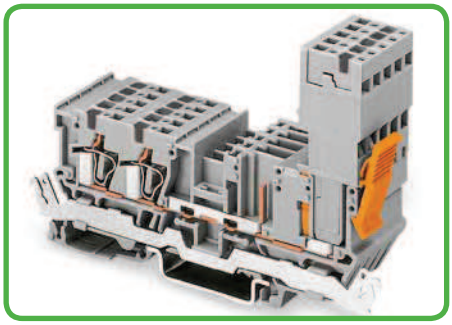
Locking lever



Snapping in/removing locking lever.

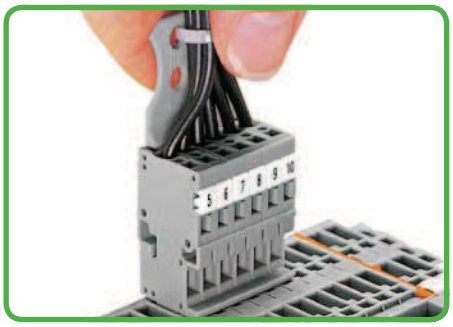


Locking lever

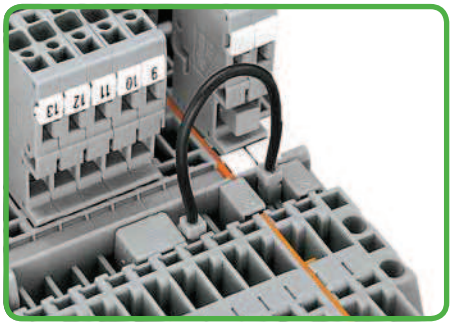


Female plug secured with locking lever in external area of carrier terminal block.

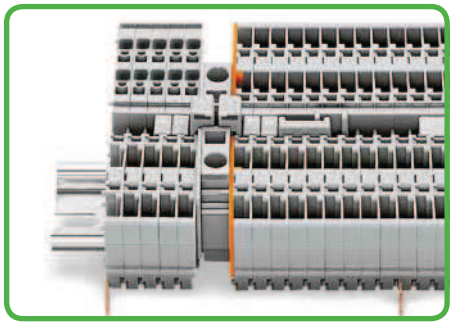
Strain relief



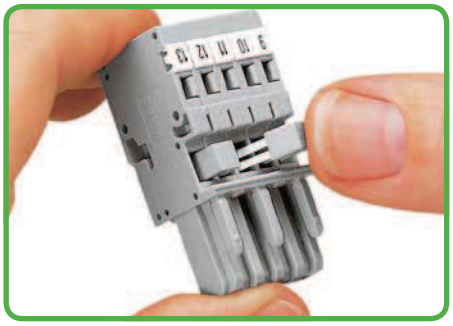
Removing female plug, conductors provided with strain relief plate.



Commoning carrier terminal blocks with push-in type wire, or adjacent jumpers over the intermediate plate.



Step-down jumper used for commoning terminal blocks of different sizes (max. 10 mm²/AWG 8).



Commoning 1-conductor female plugs with miniature adjacent jumpers.



fine-stranded,
tip-bonded



fine-stranded with
ferrule ❶
(gastight crimped)

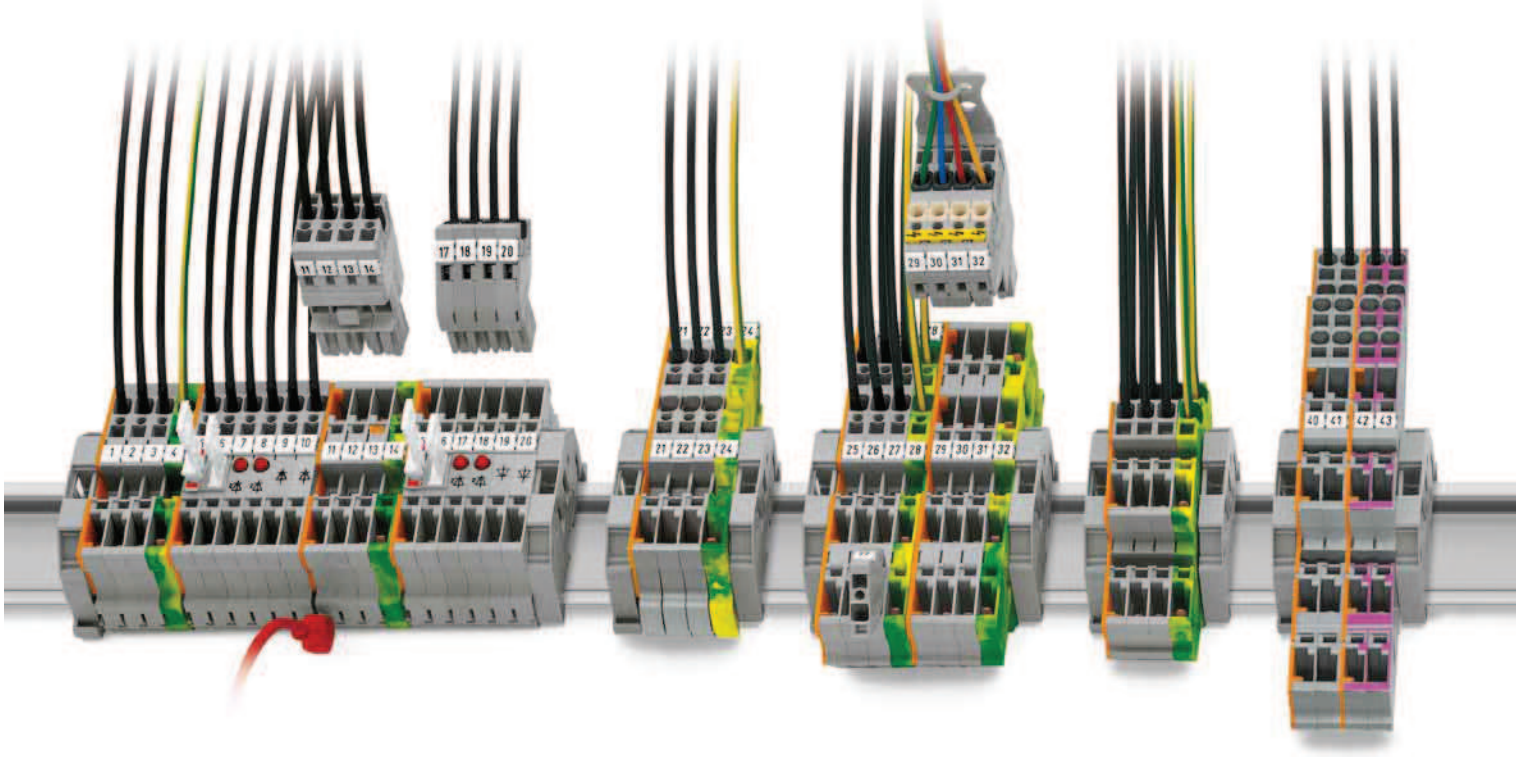


fine-stranded,
with pin terminal
(gastight crimped)

❶ With ferruled conductors, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

X-COM®-SYSTEM
769 and 870 Series

Technical data – carrier terminal blocks:	0.08 - 4 mm² / AWG 28 - 12 500 V/6 kV/3 / 300 V, 10 A 250 V/4 kV/3 / 300 V, 20 A I_N 16 A / 32 A* Terminal block width 5 mm / 0.197 in 8 - 9 mm / 0.33 in ❶ Approvals	



	Single-deck through and function terminal blocks:					Double-deck terminal blocks:			
						1-cond./	2-pin/	2-cond./	4-cond./
	1-cond./1-pin	2-pin	2-cond./1-pin	2-cond./2-pin	4-pin	1-pin	2-pin	2-pin	4-pin
Carrier terminal block	769-176*	769-156*	769-251*	769-171*	769-151*	870-101	870-151	870-131	
Carrier terminal block							4-pin		
internal commoning							870-158	870-108	870-138
Carrier terminal block									
with shield contact	769-231*	769-221*		769-211*	769-201*		4-pin		
Ground carrier term. block	769-237	769-227	769-257	769-217	769-207		870-157	870-107	
Disconnect carrier term. block	769-232	769-222							
Disconnect carrier terminal block									
with shield contact	769-233	769-223							
Diode carrier terminal block									
Anode, left side	769-238/281-410	769-228/281-410							
Anode, right side	769-238/281-411	769-228/281-411							
LED carrier terminal block									
Anode, right side	769-239/281-413	769-229/281-413							
Anode, left side	769-239/281-434	769-229/281-434							
End plate	769-307	769-305	769-320	769-301		870-118	870-168	870-148	
	769-308	769-306	769-321	769-302		870-119	870-169	870-149	
Separator, oversized									
Jumper	280-4xx	280-4xx	280-4xx	280-4xx	280-4xx	870-4xx	870-4xx	870-4xx	

❶ Approvals are available online at: www.wago.com.

For technical explanations and abbreviations, see technical section.