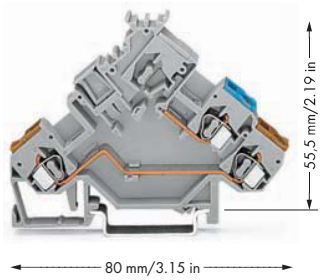
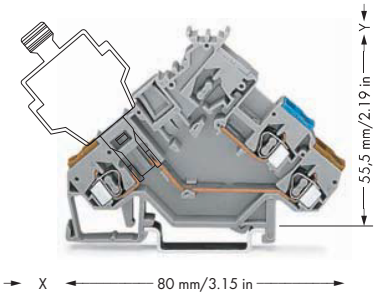
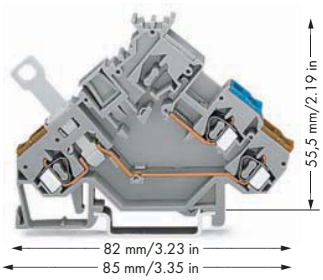
Actuator Terminal Blocks 2.5 mm² for Magnetic Valves, Servomotors, etc.
280 Series

0.08 - 2.5 mm²	AWG 28 - 12 *	0.08 - 2.5 mm²	AWG 28 - 12 *	0.08 - 2.5 mm²	AWG 28 - 12 *
400 V/6 kV/3; 20 A ❶ ❷	300 V, 15 A	125 V/5 A ❷	300 V, 6 A	400 V/6 kV/3 ❶	300 V, 10 A
250 V/4 kV/3; 20 A ❶ ❷	300 V, 15 A	250 V/6.3 A ❷	300 V, 15 A	I_N 10 A	300 V, 15 A
Terminal block width 5 mm / 0.197 in		Terminal block width 5 mm / 0.197 in		Terminal block width 5 mm / 0.197 in	
8 - 9 mm / 0.33 in ❸		8 - 9 mm / 0.33 in ❸		8 - 9 mm / 0.33 in ❸	





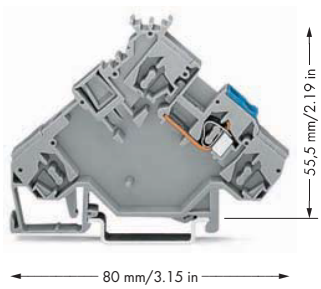


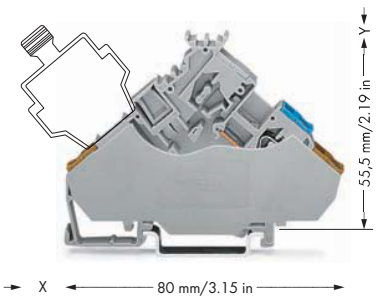
Circuit I Circuit II

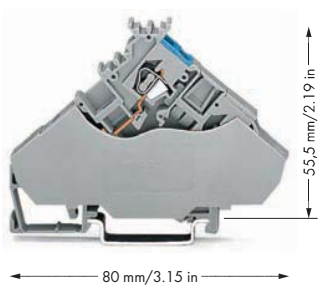
Item No.		Pack. Unit
Actuator terminal block		
◯ Circuit I	**280-562**	50
Actuator terminal block,		
with recovery diode 1N4007		
◯ Circuit II	**280-562/281-411**	50

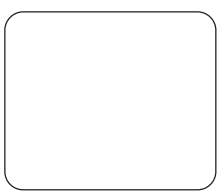
Item No.		Pack. Unit
Actuator terminal block,		
for fuse plugs,		
for fuse protection of line voltage, without end plate		
◯	**280-565** ❹	50

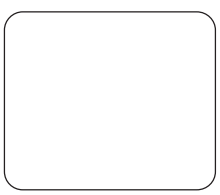
Item No.		Pack. Unit
Actuator disconnect terminal block,		
for interruption of line		
◯	**280-566**	50











Item No.		Pack. Unit
Actuator supply terminal block,		
power supply form actuator side		
◯	**280-592**	10

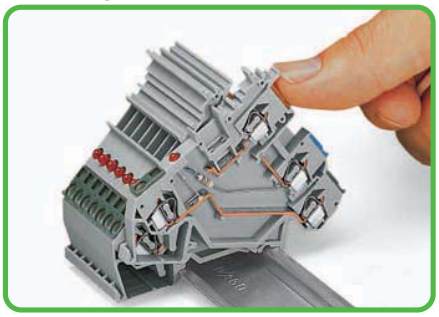
Item No.		Pack. Unit
Actuator terminal block,		
for fuse plugs,		
for fuse protection of line voltage, with end plate		
◯ gray	**280-565/280-319**	50
◯ gray	**280-565/280-321**	50

Item No.		Pack. Unit
Actuator supply terminal block,		
power supply from control panel side,		
with end plate		
◯	**280-568**	20
Technical data:		
400 V/6 kV/3		I_N 20 A

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

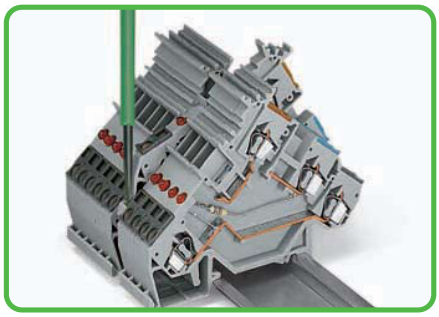
Sensor and Actuator Terminal Blocks
280 Series

Assembly



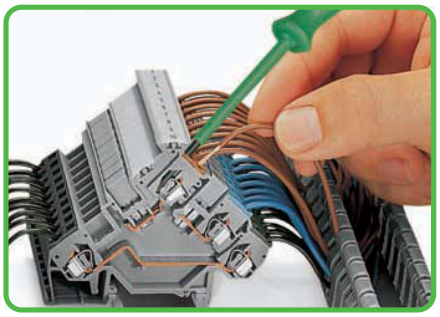
Assembly on the carrier rail. Terminal blocks with ground connection automatically establish a direct contact to the rail.

Removal



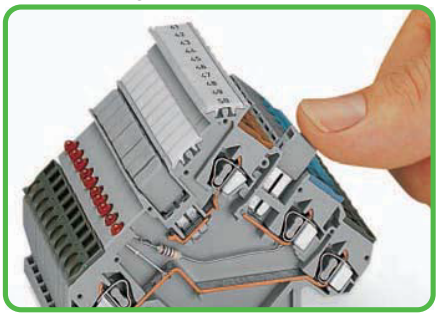
Removal from the carrier rail.
Notice: Remove jumper contacts first.

CAGE CLAMP® connection

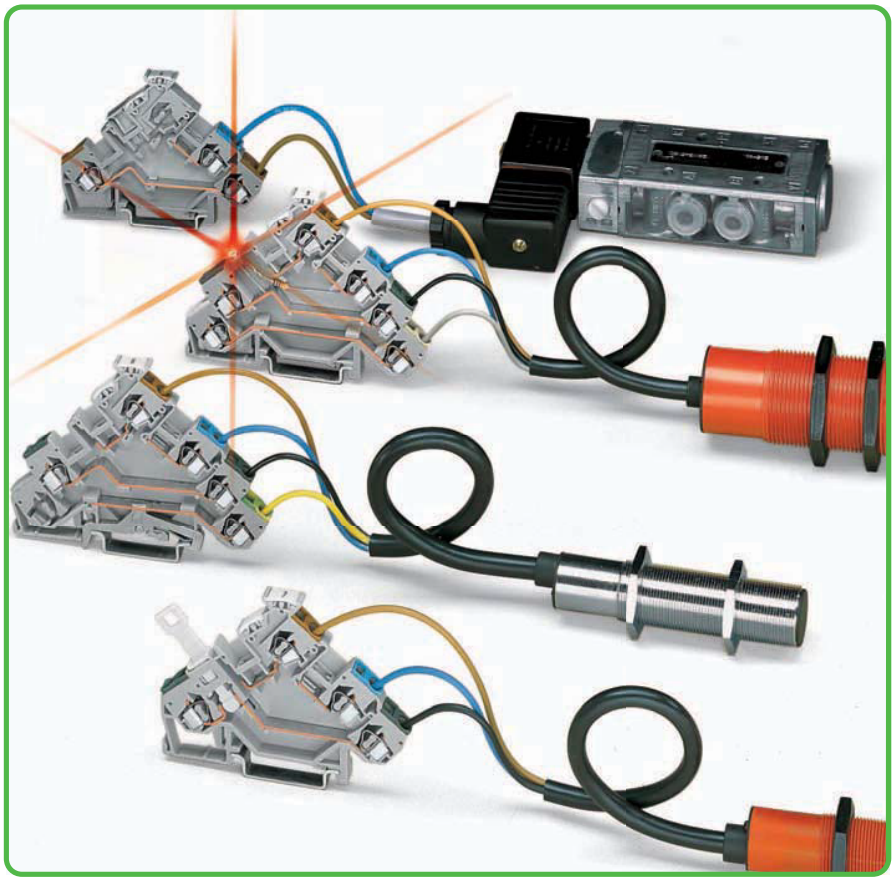


Conductor termination with straight operating tool (210-720).

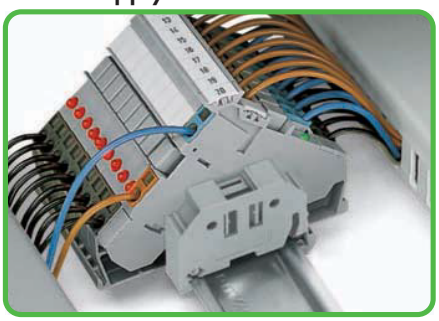
Commoning



Commoning with adjacent jumpers. Push down the adjacent jumper until fully inserted.

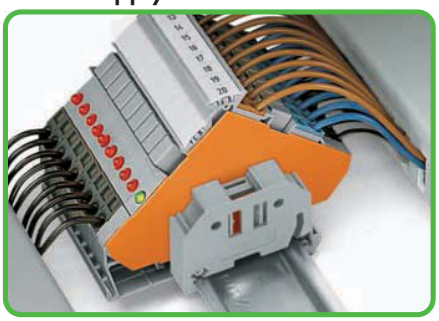


Power supply

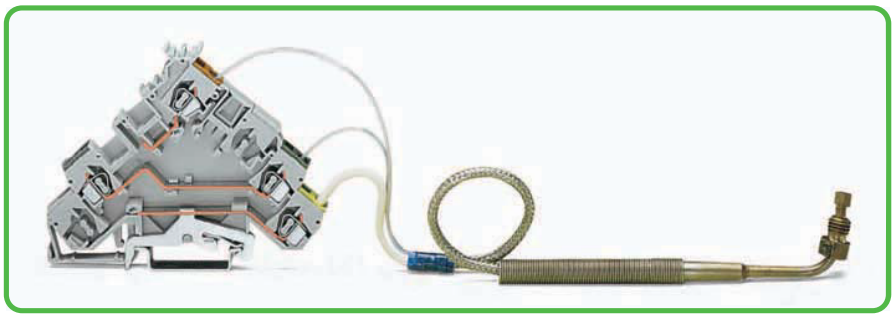


Sensor terminal blocks.
Power supply from control cabinet side.

Power supply



Sensor terminal blocks.
Power supply from sensor side.



Actuator terminal block and thermocouple with shield contact.

CAGE CLAMP® clamps the following copper conductors:*

solid

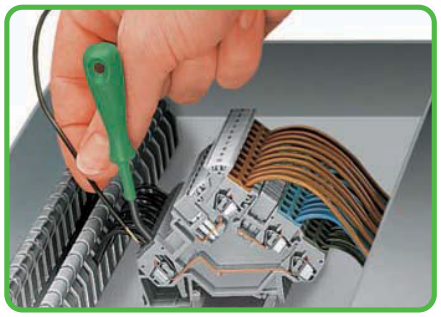
stranded

fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

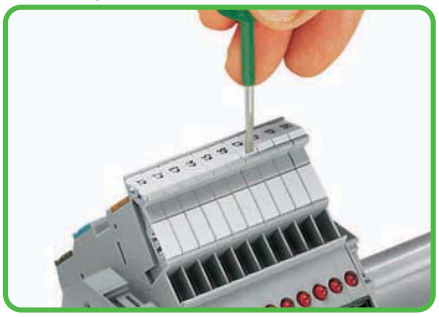
– Description and Handling –

CAGE CLAMP® connection



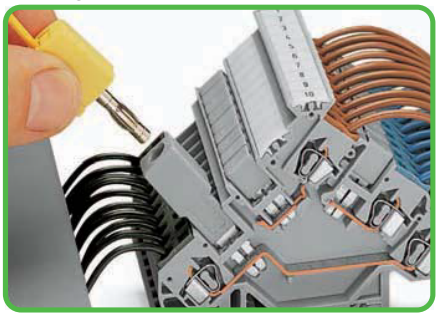
Conductor termination with angled operating tool (210-658).

Marking

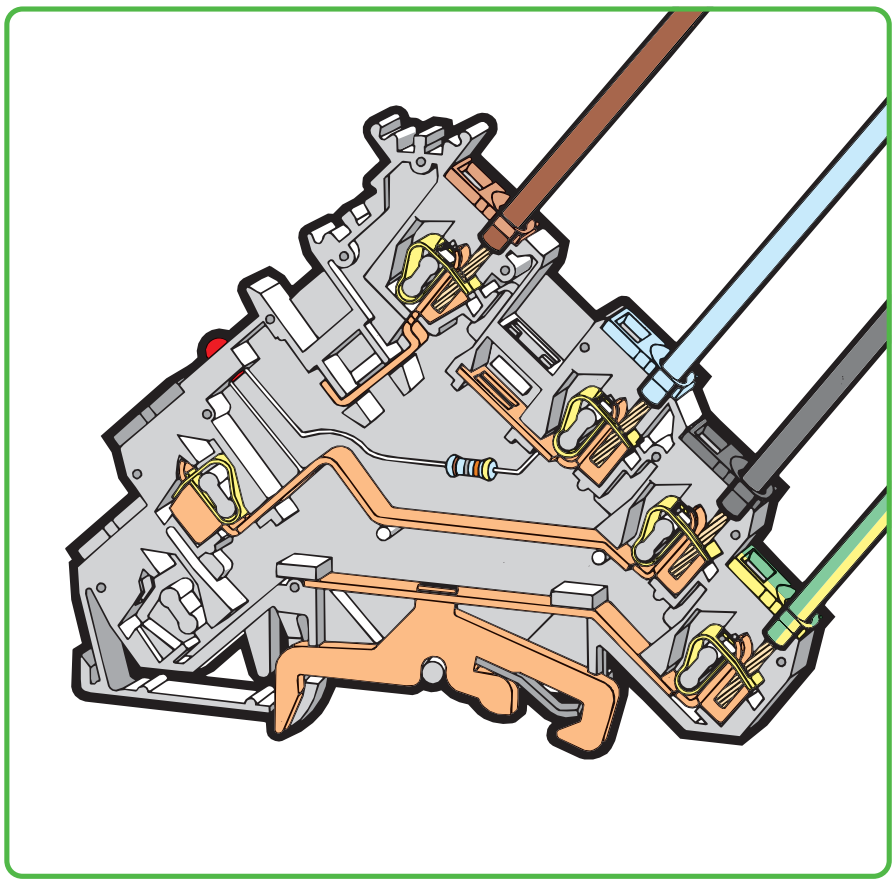


Marking with WMB Multi marking system.
For additional systems, see Section 13.

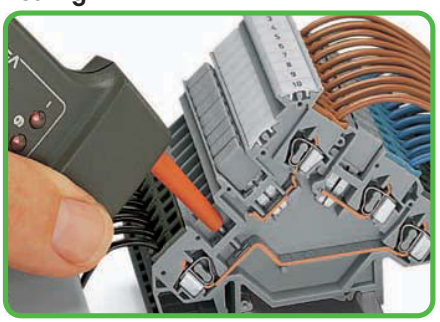
Testing



Testing via banana plug and 209-170 test plug adapter.

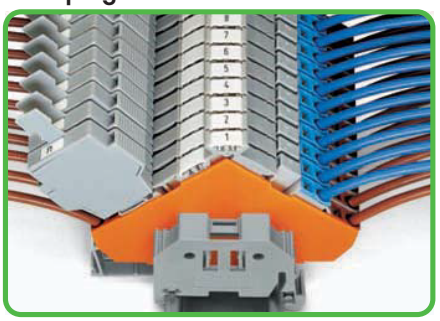


Testing

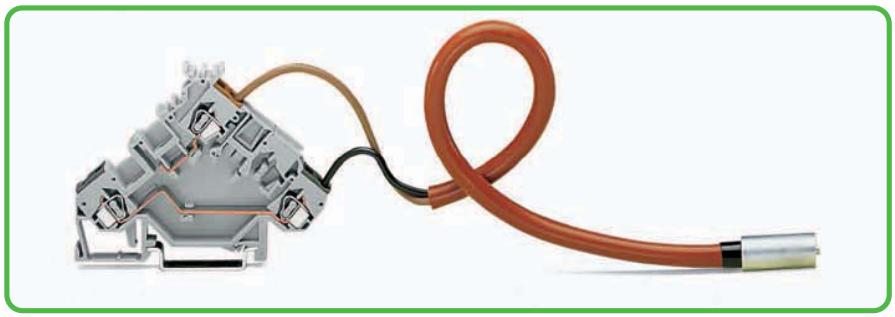


Testing with voltage tester directly on the current bar.

Fuse plugs

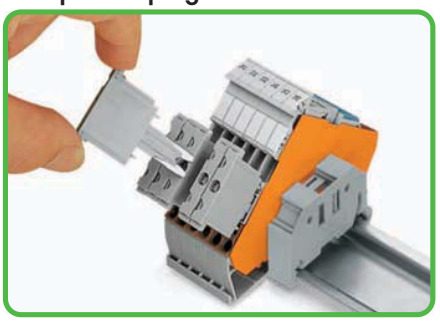


Actuator terminal blocks with 281-511 fuse plugs (requires additional intermediate plates).



Actuator terminal block with thermocouple.

Component plugs



Actuator terminal blocks with component plugs (280-801).

fine-stranded, tip-bonded

fine-stranded, with ferrule ❶ (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

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