

Sensor and Actuator Terminal Blocks . . . Series 280

Assembly

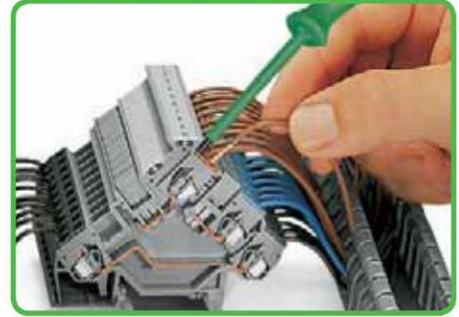
CAGE CLAMP® connection



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



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



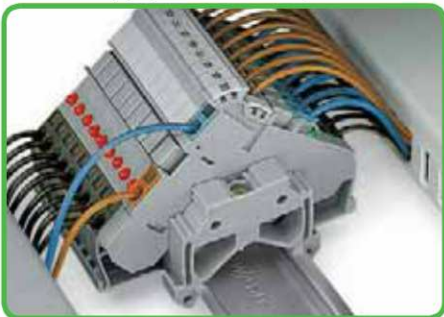
Conductor termination using a straight screwdriver (3.5 x 0.5) mm/(0.137 x 0.020) in.

Commoning

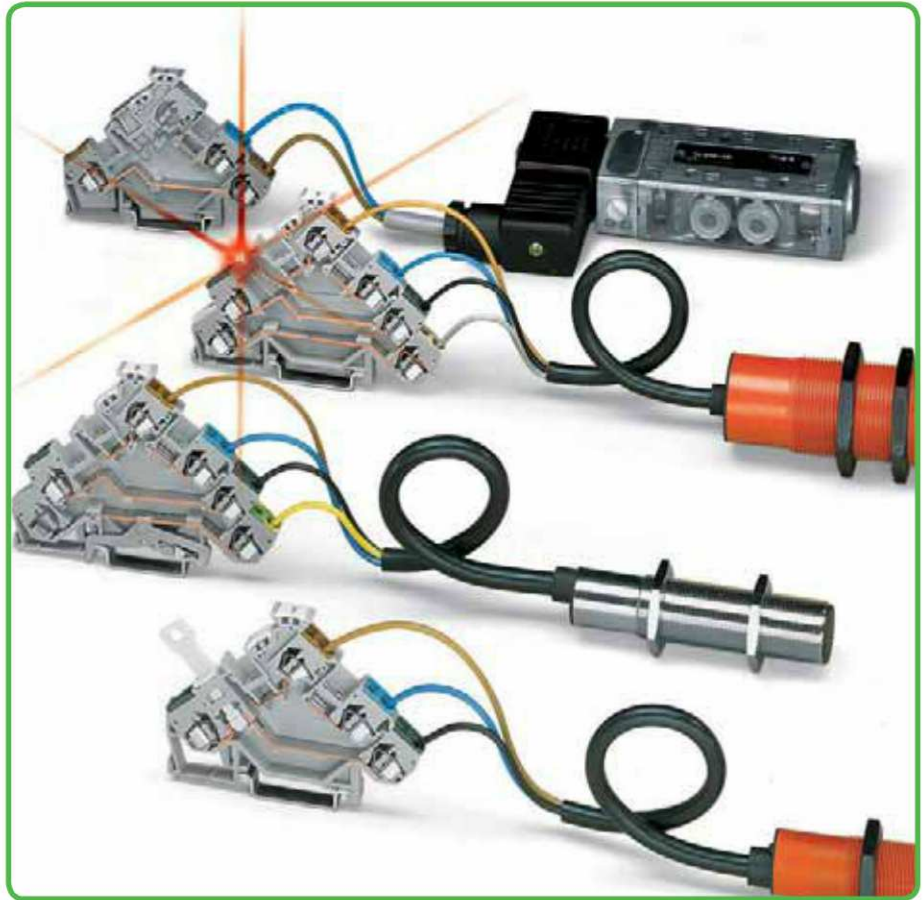


Commoning with adjacent jumpers. Push jumper down firmly until fully inserted!

Power supply to assembly



Sensor terminal blocks.
Power supply from control panel side.



Power supply



Sensor terminal blocks.
Power supply from sensor side.



Actuator terminal block and a thermocouple and shield (screen) connection.



CAGE CLAMP® clamps the following copper conductors:

solid

Strip length, see packaging or instructions.



stranded



fine-stranded, also with tinned single strands

Marking



Conductor termination using an angled screwdriver (3.5 x 0.5) mm / (0.137 x 0.020) in.



Marking via WMB Multi marking system or WSB Quick marking system.

Testing



Testing via banana plug and 209-170 Test Plug Adapter.

Actuator terminal blocks (see Full Line Catalog, Volume 1)



Actuator terminal blocks with 281-511 Fuse Plugs (requires additional intermediate plates).



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



Actuator disconnect terminal block with ground (earth) connection, for line interruption.

Series 289 (see Full Line Catalog, Volume 4)



Connection module for 8 x 3-conductor sensors.



Connection module for 8 x 3-conductor sensors, LED indicator.



Connection module for 8 actuators (2-conductor with ground (earth) contact).

Series 270 (see Full Line Catalog, Volume 1)



Sensor LED terminal block



Commoning the voltage supply using uninsulated push-in type jumper bars.



fine-stranded, tip bonded



fine-stranded, with crimped ferrule ❶



fine-stranded, with crimped pin terminal

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