Sensor and Actuator Terminal Blocks 280 Series

236 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.







fine-stranded, also with tinned single strands

Actuator terminal block and thermocouple with shield contact.



CAGE CLAMP®

- Description and Handling -

CAGE CLAMP® connection



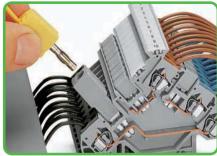
Conductor termination with angled operating tool (210-658).

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.



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



fine-stranded, tip-bonded



fine-stranded, with ferrule **1** (gastight crimped)



Component plugs

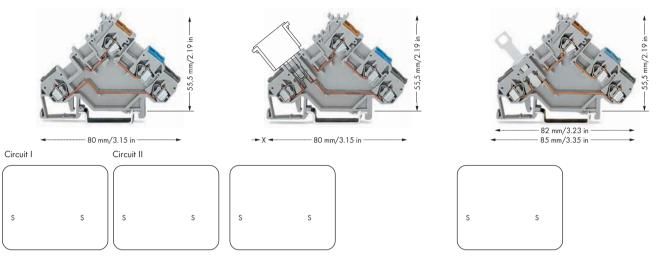
fine-stranded, with pin terminal (gastight crimped)



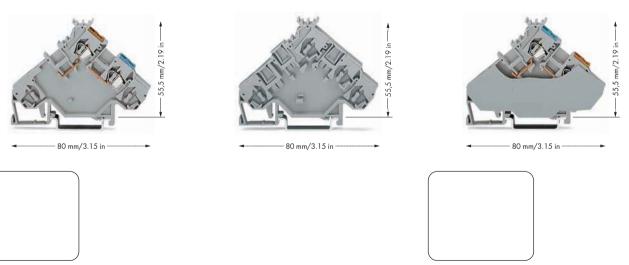
• When using ferrules, the max. conductor cross section accommodated is one size smaller than max. rating of terminal block.

Sensor Terminal Blocks 2.5 mm² for 3-Conductor Sensors 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 1 300 V, 15 A 74 250 V/4 kV/3 **1 2** 300 V, 6 A 🗫 400 V/6 kV/3 **①** 300 V, 10 A**9** I_N 20 A 300 V, 15 A@ I_N 10 A 300 V, 15 A@ 300 V, 15 A@ I_N 6 A **2** 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 **3** 8 - 9 mm / 0.33 in 3 8 - 9 mm / 0.33 in **3**



	Item No.	Pack. Unit	Ito	em No. Pack. Unit		Item No.	Pack. Unit
Sensor terminal block			Sensor terminal block,		Sensor disconnect terminal block,		
			for component plugs		for signal interruption		
Circuit I	280-560	50	28	80-561 4 50		280-563	50
Circuit II	280-553	50					



Item No. Pack. Unit	Item No. Pack. Unit	Item No. Pack. Unit		
Sensor supply terminal block,	Spacer,	Sensor supply terminal block,		
power supply from sensor side	same profile as 3-conductor sensor terminal blocks or	power supply from control panel side,		
	appropriate actuator terminal blocks	with end plate		
	Spacers with the profile clearly differentiate between			
	sensor or actuator terminal groups, e.g., of different power			
	supply.			
280-564 10	gray 280-559 50	280-567 20		
		Technical data:		
		400 V/6 kV/3 I _N 20 A		