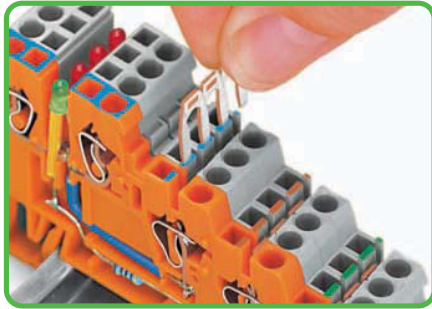
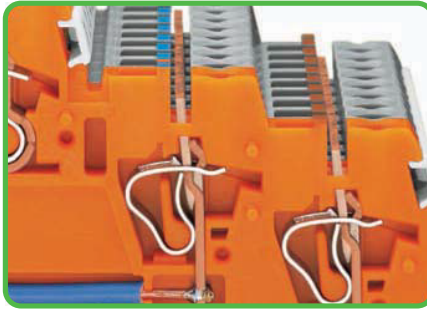


# Sensor and Actuator Terminal Blocks, 270 Series – Description and Handling –

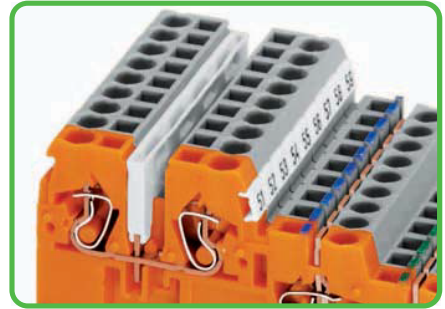
## Commoning



Inserting a jumper.

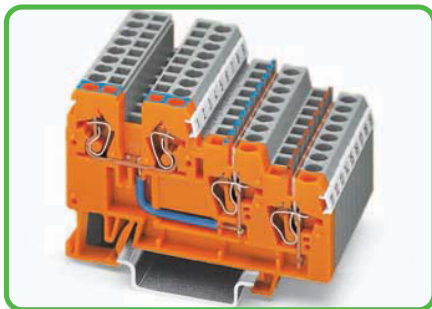


Commoning a supply voltage using uninsulated push-in type jumper bars, 2- to 9-way or 17-way (2 x 8 bits), depending on application.



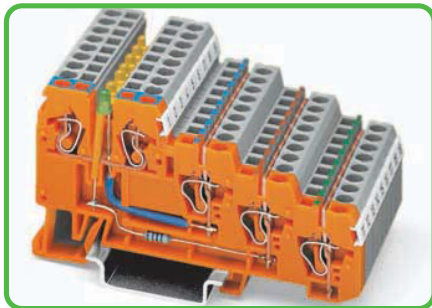
Commoning signal level voltage via insulated 870 Series push-in type jumper bars, 2- to 9-way, depending on application. **Sensor LED terminal blocks cannot be commoned on the signal level.**

## Sensor terminal blocks

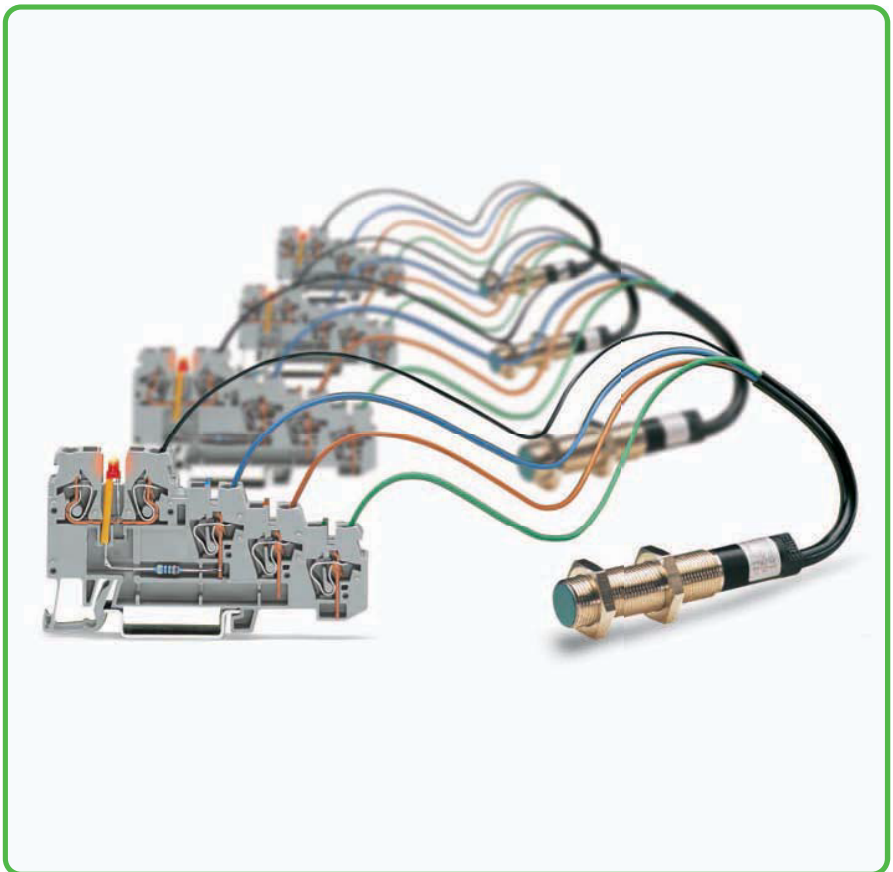


Terminal block assembly: Sensor terminal blocks

## Sensor LED terminal blocks



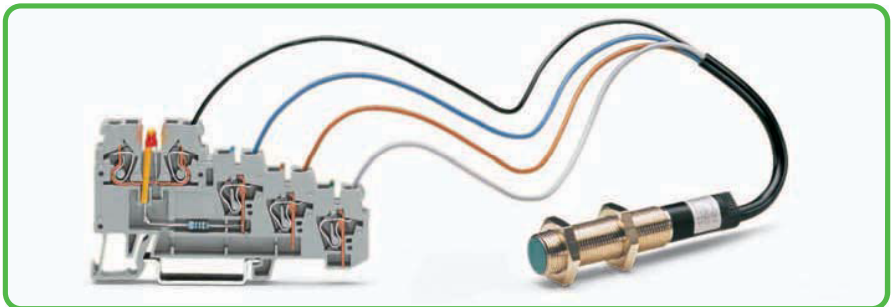
Terminal block assembly: Sensor LED terminal blocks



## Marking Strips



Marking strips  
Item No. 709-196  
**Not suitable for LED terminal blocks!**



Sensor LED terminal block

**CAGE CLAMP®**  
clamps the following  
copper conductors:\*

- solid
- stranded

fine-stranded,  
also with tinned  
single strands

fine-stranded,  
tip-bonded



fine-stranded,  
with ferrule ❶  
(gastight crimped)

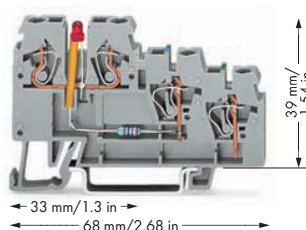
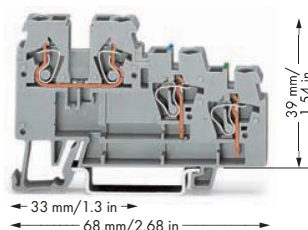
fine-stranded,  
with pin terminal  
(gastight crimped)

\* For aluminum conductors, see notes in Section 14.

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

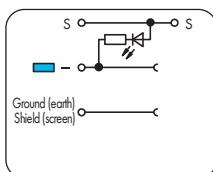
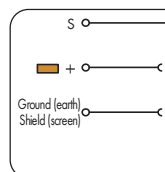
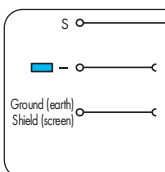
# 3-Conductor Actuator Terminal Blocks and 3-Conductor Actuator LED Terminal Blocks 270 Series

<b>0.08 - 2.5 mm<sup>2</sup></b> <b>250 V/4 kV/3 ①</b> <b>I<sub>N</sub> 18 A</b> <b>Terminal block width 5 mm / 0.197 in</b>  <b>6 - 7 mm / 0.26 in ③</b>	<b>AWG 28 - 12 *</b> <b>300 V, 20 A<sup>②</sup></b> <b>300 V, 10 A<sup>③</sup></b>	<b>0.08 - 2.5 mm<sup>2</sup></b>   <b>AWG 28 - 12 *</b> <b>24 VDC ②</b> <b>Terminal block width 5 mm / 0.197 in</b>  <b>6 - 7 mm / 0.26 in ③</b>
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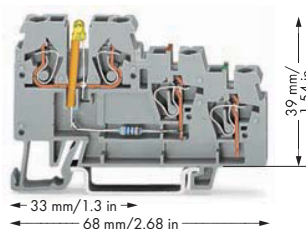
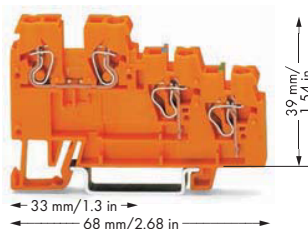


Circuit I

Circuit II

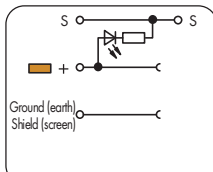
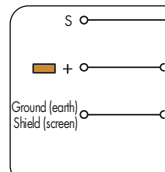
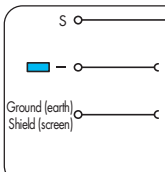


Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor actuator terminal block, for DIN 35 rail</b>		<b>3-conductor actuator LED terminal block, for DIN 35 rail, for PNP (positive) switching actuators</b>	
● Circuit I	<b>270-572</b> 50	● red LED	<b>270-572/281-434</b> 50
<b>3-conductor actuator terminal block, for DIN 35 rail</b>			
● Circuit II	<b>270-585</b> 50		



Circuit I

Circuit II



Item No.	Pack. Unit	Item No.	Pack. Unit
<b>3-conductor actuator supply terminal block, for DIN 35 rail</b>		<b>3-conductor actuator LED terminal block, for DIN 35 rail, for NPN (negative) switching actuators</b>	
● Circuit I	<b>270-577</b> 10	● yellow LED	<b>270-585/281-507</b> 50
<b>3-conductor actuator supply terminal block, for DIN 35 rail</b>			
● Circuit II	<b>270-586</b> 10		

- \* AWG 12: THHN, THWN
- ① 250 V = rated voltage  
4 kV = rated surge voltage  
3 = pollution degree  
(also see Section 14)
- ② Other voltages upon request.  
LED power consumption: 4.8 mA
- ③ Strip length, see packaging or instructions.
- ④ See application notes for:  
Insulation stop, page 199

## Accessories for 3-Conductor Terminal Blocks WMB/Miniature WSB (see Section 13)

<b>End and intermediate plate, 1 mm thick, for triple-deck terminal blocks</b>		
	orange	<b>270-321</b> 100 (4x25)
	gray	<b>270-319</b> 100 (4x25)
<b>Insulation stop, ④</b>		
	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st")	white <b>280-470</b> 200 (8x25)
	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup>	light gray <b>280-471</b> 200 (8x25)
	5 pcs/strip, 0.75 - 1 mm <sup>2</sup>	dark gray <b>280-472</b> 200 (8x25)
<b>Jumper, uninsulated, I<sub>N</sub> 18 A,</b>		
	Jumpers can be shortened using an electronic side cutter	
	9-way	<b>270-409</b> 100 (4x25)
	17-way	<b>270-417</b> 100 (4x25)
	80-way	<b>270-480</b> 10
<b>Push-in type jumper bar, insulated, I<sub>N</sub> 18 A,</b>		
	light gray	
	2-way	<b>870-402</b> 200 (8x25)
	3-way	<b>870-403</b> 200 (8x25)
	4-way	<b>870-404</b> 200 (8x25)
	5-way	<b>870-405</b> 100 (4x25)
	6-way	<b>870-406</b> 100 (4x25)
	7-way	<b>870-407</b> 100 (4x25)
	8-way	<b>870-408</b> 100 (4x25)
	9-way	<b>870-409</b> 100 (4x25)
<b>Operating tool with partially insulated shaft,</b>		
	type 2, (3.5 x 0.5) mm blade	
		<b>210-720</b> 1
<b>Miniature WSB Quick marking system,</b>		
	10 strips with 10 markers per card, 5 mm wide markers	
	plain	<b>248-501</b> 5
<b>WMB Multi marking system,</b>		
	10 strips with 10 markers per card, stretchable 5 - 5.2 mm	
	plain	<b>793-5501</b> 5