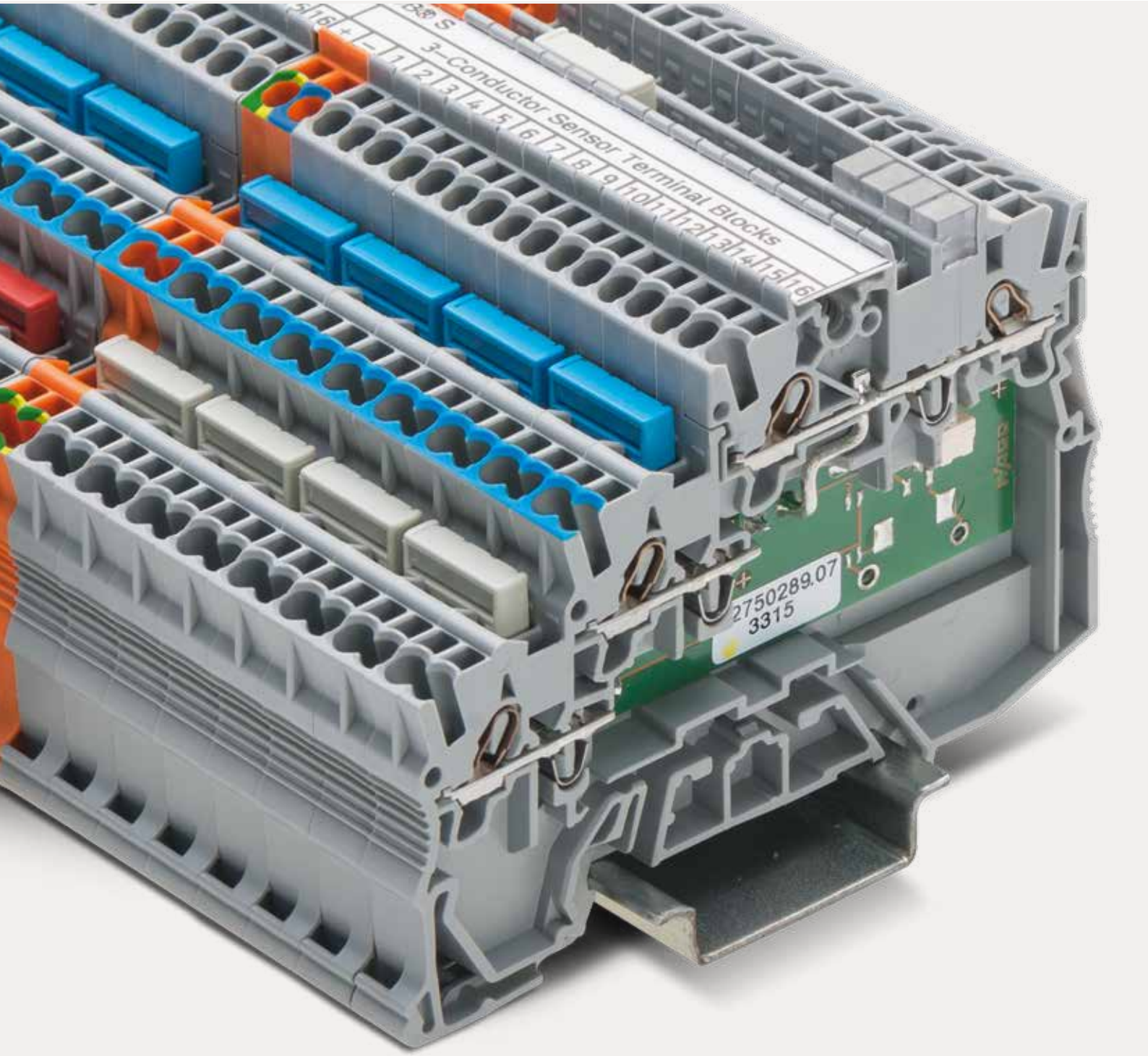
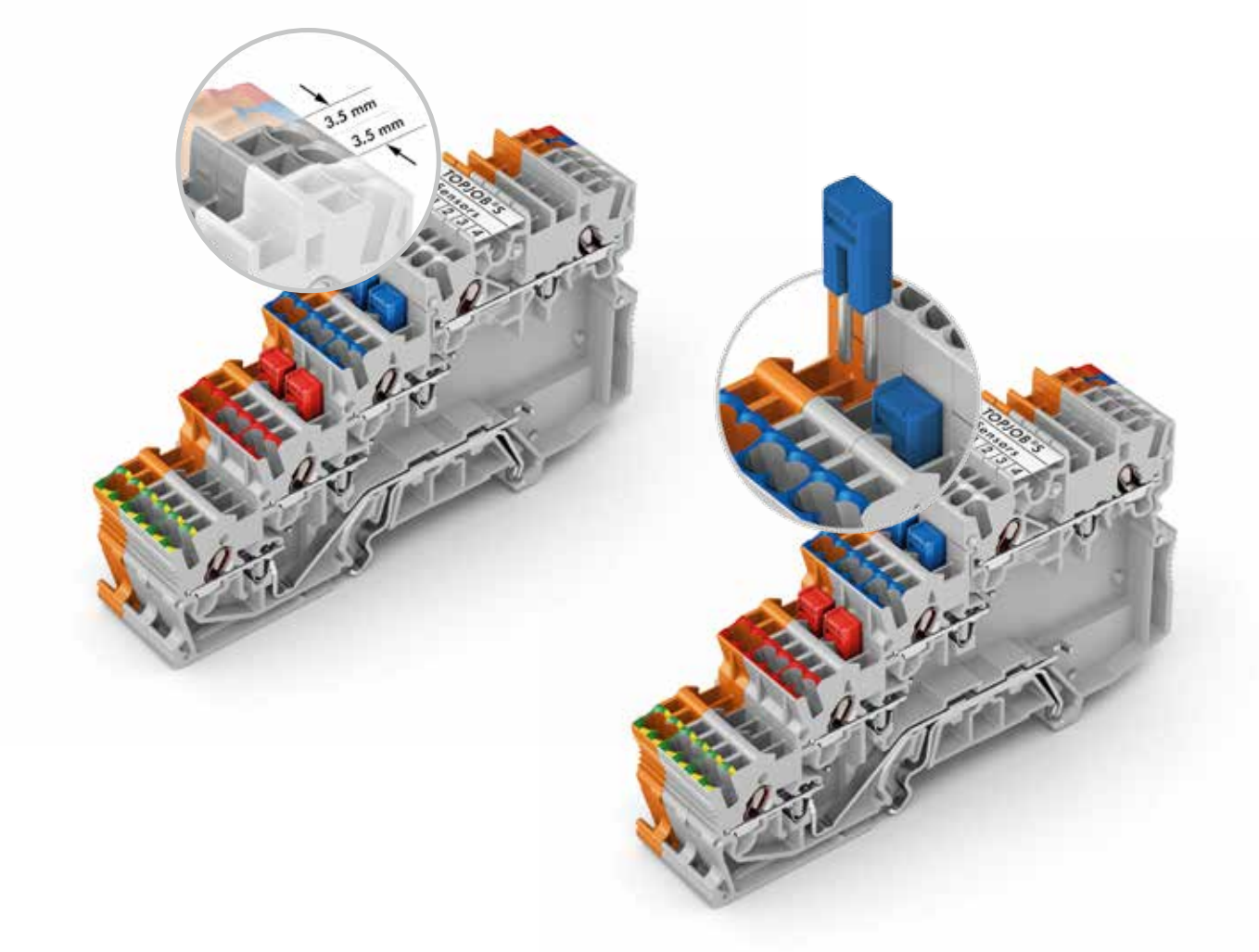
TOPJOB® S –
Sensor/Actuator Terminal Blocks
with Push-in CAGE CLAMP® Reliability



TOPJOB® S –
SEND THE RIGHT SIGNALS.

TOPJOB® S – Sensor/Actuator Terminal Blocks
with Push-in CAGE CLAMP® Reliability



TWO IN ONE.

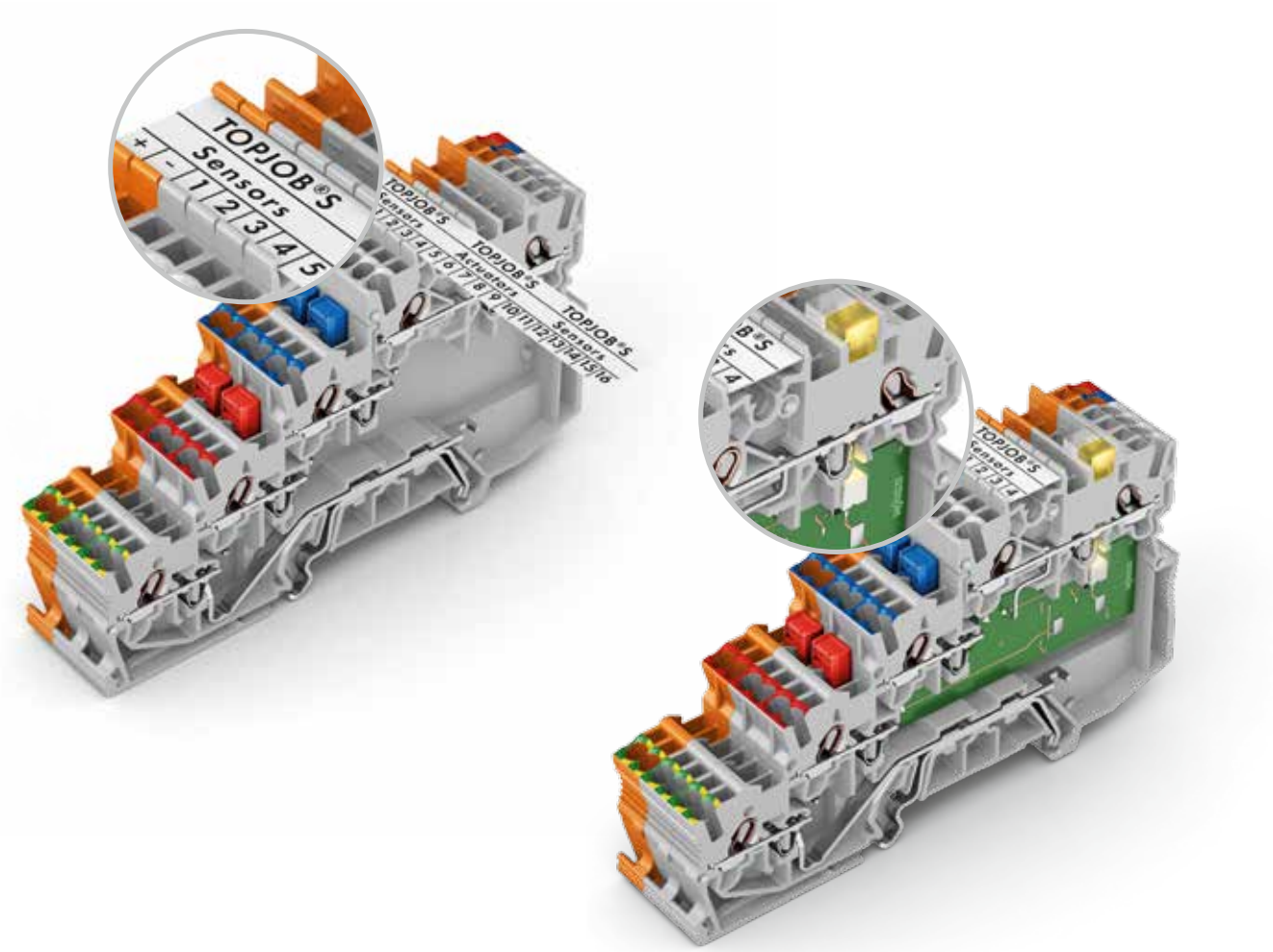
For the Highest Signal Density

- Pack several sensors into the smallest possible space using only 3.5 mm per sensor on the DIN-rail
- Suitable for small terminal boxes within a system's decentralized periphery, as well as for centralized installation in the switch cabinet

WITH ALL OPTIONS COVERED.

Range of Multifunctional Jumpers

- Commoning with standard jumpers – no pole number limitation
- Color-coded jumpers simplify potential assignment



KEEP YOUR COSTS IN LINE.

Fastest Marking System

- Clear identification thanks to multi-line marking strips that don't cover the jumper slot
- Easy to read from any angle thanks to two marker slots on the top and side of the terminal strip

KEEP SAFETY IN SIGHT.

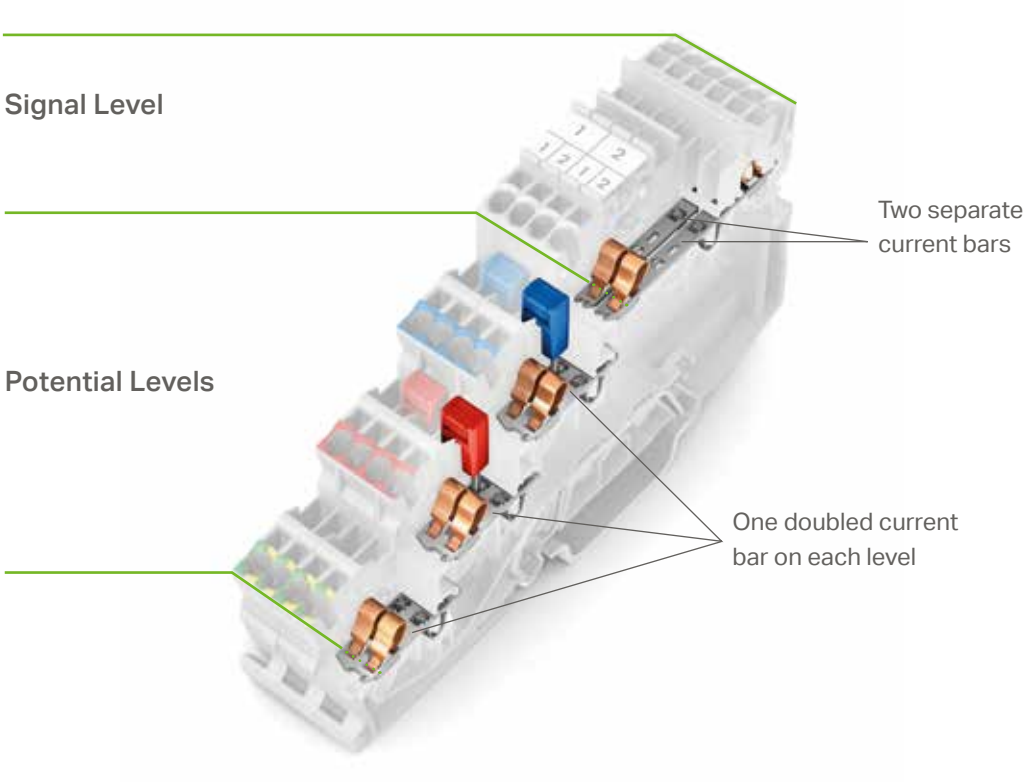
LED, Wiring and Marking in Plain View

- Indicator LEDs, jumpers and markers are always visible – even when wired
- Streamlined terminal block design provides quick wiring overview and a simplified control layout

FOR THE HIGHEST SIGNAL DENSITY

The sensor/actuator terminal blocks feature several potential levels and one signal level. The potential levels are for power supply and, if necessary, sensor grounding or shielding; the signal level is for switching signal transmission from the sensors or to the actuators.

A single terminal block housing accommodates two interconnected potential terminals with doubled spacing on the lower levels and two independent signal pathways with single spacing of 3.5 mm on the upper levels.



Potential Levels

- Power supply and, if necessary, sensor grounding or shielding of the sensors/actuators is performed on the potential levels
- Each level has two connections per current bar
- Commoning is possible without pole number limitation

Signal Level

- The signal level transmits switching signals from two sensors or to the actuators, separately per terminal block – in a single housing

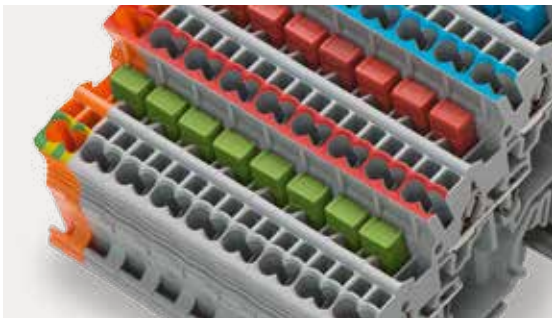
RANGE OF MULTIFUNCTIONAL JUMPERS

When using TOPJOB® S Sensor/Actuator Terminal Blocks, standard 2000 Series Jumpers provide the right solution for all commoning tasks.

These jumpers can be universally used on both potential levels and the signal level.

Commoning Potential Levels
On the potential levels, standard jumpers can be used for commoning with no pole number limitation. Each terminal block has two connected clamping units and thus two connected jumper slots. This allows any number of terminal blocks to be commoned in just one jumper slot using jumpers with even pole numbers.

Commoning Signal Level
Two jumper slots are available on the signal level for commoning with standard jumpers. This level features two independent signal pathways. Terminal block versions with an LED have only one jumper slot for testing or commoning.

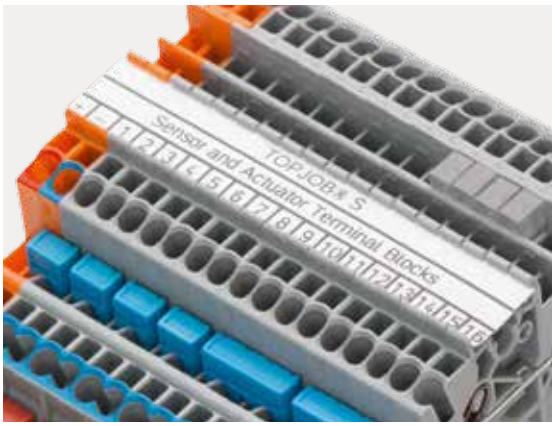


Ground Commoning
For sensor/actuator terminal blocks without ground connection to the DIN-rail, the ground connection can also be performed economically by commoning to the terminal block with a ground foot (e.g., via the supply terminal block).

Power Supply
Orange supply terminal blocks with the same profile can be placed anywhere within an assembly. They are available in cross sections up to 4 mm² (12 AWG). Power supply can be performed either via center feed or ring feed configuration.

FASTEST MARKING SYSTEM

Marking Strips

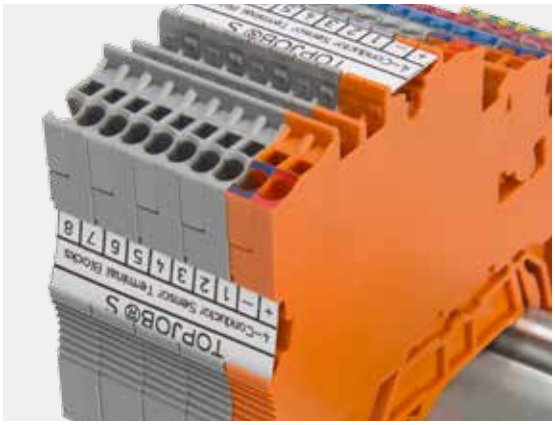


TOPJOB® S Sensor/Actuator Terminal Blocks can be marked in multiple ways. Marking strips (2009-110) offer the fastest and easiest possibility. Multi-line marking simplifies the labeling of a terminal block's function, allowing individual signals and groups to be simultaneously marked.

WMB Markers

Marking using 3.5 mm WMB markers is also possible. They are available as WMB Inline markers on a reel (2009-113) and as WMB marking cards (793-35xx).

Marking Levels



TOPJOB® S Sensor/Actuator Terminal Blocks can be marked on the top and on the side, without covering the jumper slot.

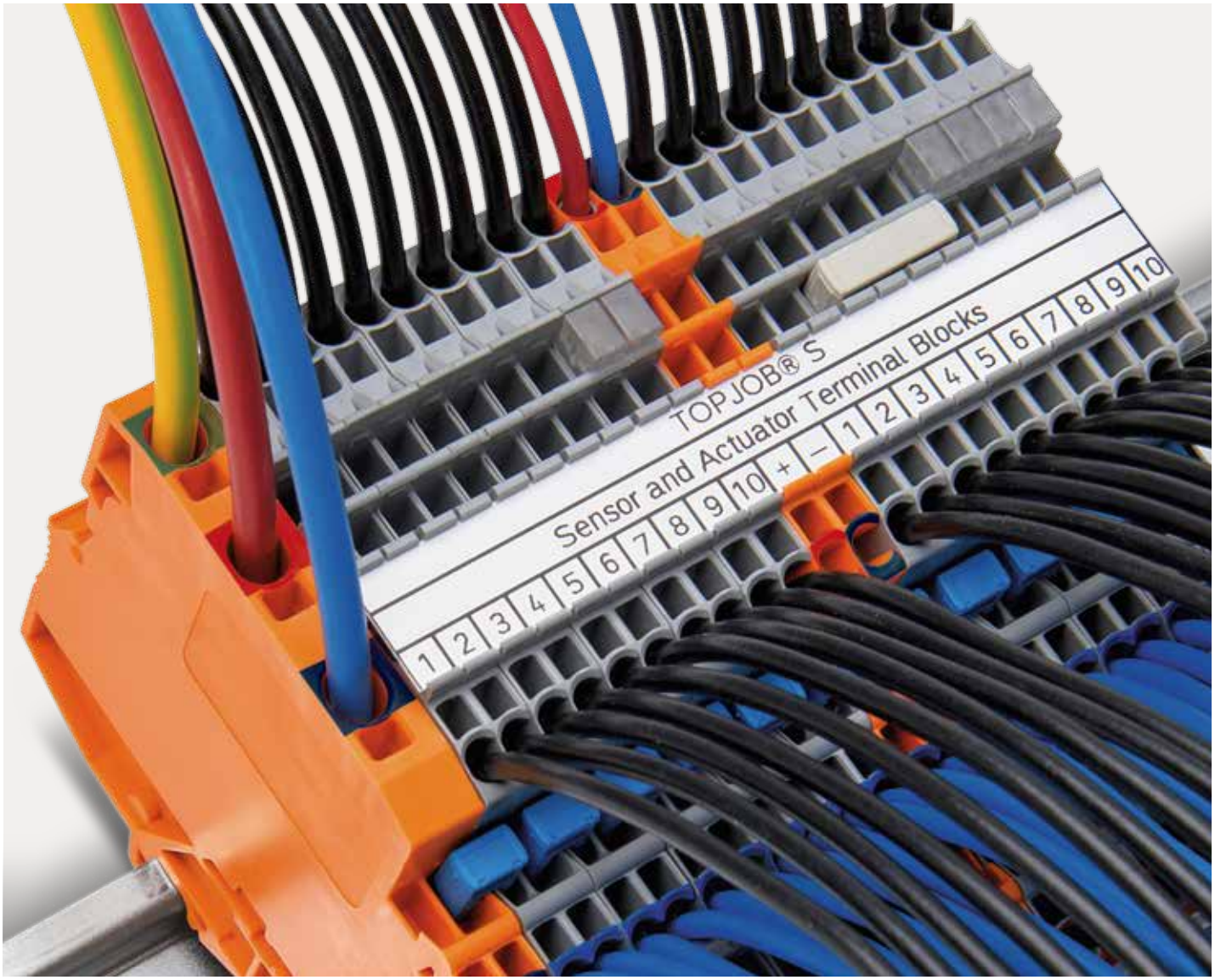
Marker Carrier

A pivoting marker carrier (2000-121) can be snapped in as a retrofit for additional marking levels.

LED, WIRING AND MARKING IN PLAIN VIEW

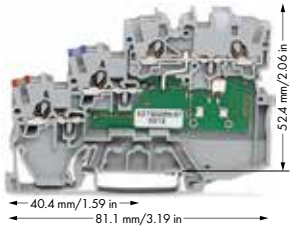
TOPJOB® S Sensor/Actuator Terminal Blocks provide a fast overview – even when wired. Both a center LED, as well as commoning and marking on the signal level quickly tell you what you need to know.

- The streamlined terminal block design, as well as colored conductor entries and jumpers provide quick wiring overview and a simplified control layout.
- LEDs, jumpers and markers are always visible – even when wired.

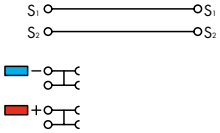


3-Conductor Sensor Terminal Blocks 1 (1.5) mm², 2000 Series

0.14 … 1 (1.5) mm² ❶ 24 … 16 AWG
250 V/4 kV/3 ❷ 300 V, 10 A
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹

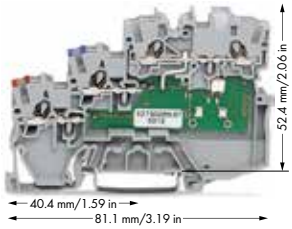


2000-5311

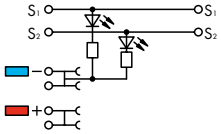


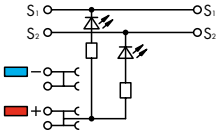
Item No.		Pack. Unit
3-conductor sensor terminal block		
gray	**2000-5311**	50

0.14 … 1 (1.5) mm² ❶ 24 … 16 AWG
24 VDC 24 VDC, 10 A
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹

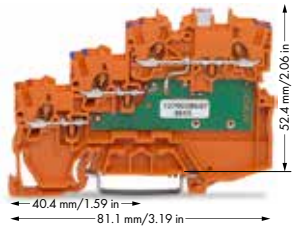


2000-5311/1102-950 2000-5311/1101-951

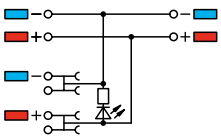


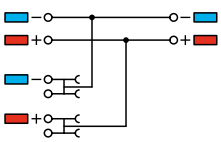


Item No.		Pack. Unit
3-conductor sensor LED terminal block,		
for **PNP (high-side)** switching sensors, yellow LED		
gray	**2000-5311/1102-950**	50
3-conductor sensor LED terminal block,		
for **NPN (low-side)** switching sensors, yellow LED		
gray	**2000-5311/1101-951**	50

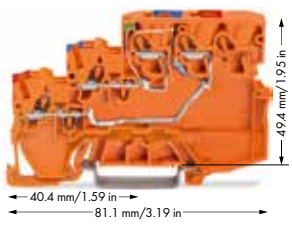


2000-5372/1102-953 2000-5372

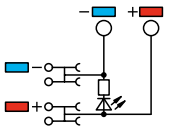


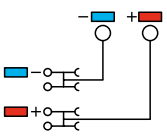


Item No.		Pack. Unit
3-conductor sensor LED supply terminal block,		
24 VDC, green LED		
orange	**2000-5372/1102-953**	15
3-conductor sensor supply terminal block,		
max. 250 V, internal commoning		
orange	**2000-5372**	15



2000-5352/1102-953 2000-5352



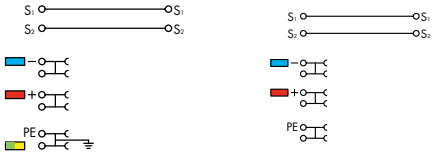


Item No.		Pack. Unit
3-conductor sensor LED supply terminal block,		
24 VDC, green LED, control panel side: 2.5 (4) mm², max. 28 A		
orange	**2000-5352/1102-953**	15
3-conductor sensor supply terminal block,		
max. 250 V, control panel side: 2.5 (4) mm², max. 28 A		
orange	**2000-5352**	15

4-Conductor Sensor Terminal Blocks 1 (1.5) mm², 2000 Series

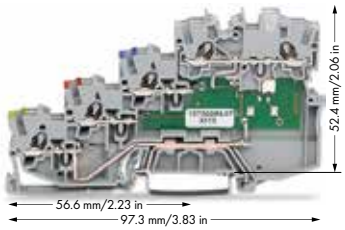
0.14 … 1 (1.5) mm² ❶ 24 … 16 AWG
250 V/4 kV/3 ❷ 300 V, 10 A
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹

2000-5417 2000-5410



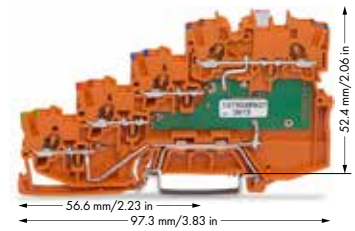
Item No.		Pack. Unit
4-conductor sensor terminal block,		
with ground connection		
gray	**2000-5417**	50
gray	**2000-5410** ❺	50

0.14 … 1 (1.5) mm² ❶ 24 … 16 AWG
24 VDC 24 VDC, 10 A
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹

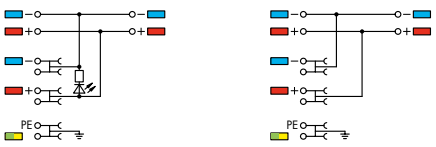


2000-5417/1102-950 2000-5417/1101-951

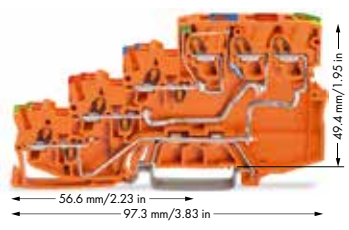
Item No.		Pack. Unit
4-conductor sensor LED terminal block,		
for **PNP (high-side)** switching sensors,		
yellow LED, with ground connection		
gray	**2000-5417/1102-950**	50
gray	**2000-5410/1102-950** ❺	50
4-conductor sensor LED terminal block, for **NPN (low-side)**		
switching sensors, yellow LED, with ground connection		
gray	**2000-5417/1101-951**	50
gray	**2000-5410/1101-951** ❺	50



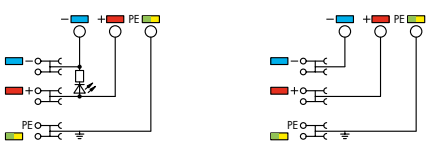
2000-5477/1102-953 2000-5477



Item No.		Pack. Unit
4-conductor sensor LED supply terminal block,		
24 VDC, green LED, with ground connection		
orange	**2000-5477/1102-953**	15
4-conductor sensor supply terminal block, max. 250 V,		
internal commoning, with ground connection		
orange	**2000-5477**	15



2000-5457/1102-953 2000-5457



Item No.		Pack. Unit
4-conductor sensor LED supply terminal block, 24 VDC, green LED,		
with ground connection, control panel side: 2.5 (4) mm², max. 28 A		
orange	**2000-5457/1102-953**	15
4-conductor sensor supply terminal block, max. 250 V, with		
ground connection, control panel side: 2.5 (4) mm², max. 28 A		
orange	**2000-5457**	15

❶
Conductor range:
0.14 … 1.5 mm² "s+f-st"
Push-in termination:
0.5 … 1.5 mm² "s"
and 0.5 … 0.75 mm²
"insulated ferrule, 10 mm"

❷
250 V = Rated voltage
4 kV = Rated impulse voltage
3 = Degree of pollution
(see Full Line Catalog 1, Section 14)

❸
3.5 mm spacing per signal
(2 x 3.5 mm = 7 mm)

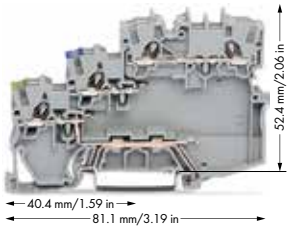
Note: The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

❹
Strip length, see packaging or instructions.

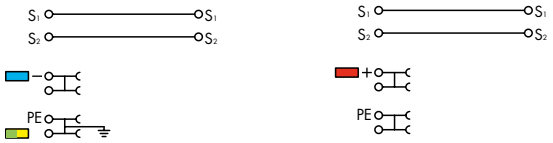
❺
Ground connection via commoning to terminal blocks with ground foot

3-Conductor Actuator Terminal Blocks 1 (1.5) mm², 2000 Series

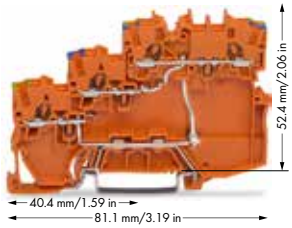
0.14 … 1 (1.5) mm² ❶ **24 … 16 AWG**
250 V/4 kV/3 ❷ **300 V, 10 A**
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹



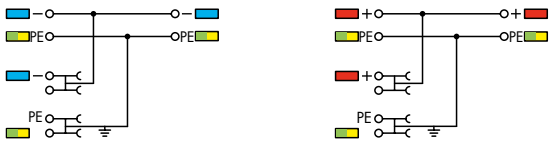
2000-5317/102-000 2000-5310/101-000



Item No.		Pack. Unit
3-conductor actuator terminal block, for **PNP (high-side)**		
switching actuators, with ground connection		
gray	**2000-5317/102-000**	50
gray	**2000-5310/102-000**	❺ 50
3-conductor actuator terminal block, for **NPN (low-side)**		
switching actuators, with ground connection		
gray	**2000-5317/101-000**	50
gray	**2000-5310/101-000**	❺ 50



2000-5377/102-000 2000-5377/101-000

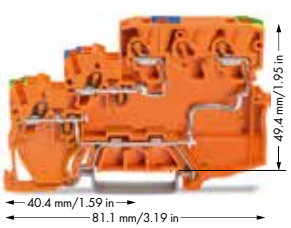


Item No.		Pack. Unit
3-conductor actuator supply terminal block,		
max. 250 V, for **PNP (high-side)** switching actuators,		
with ground connection, internal commoning		
orange	**2000-5377/102-000**	15
3-conductor actuator supply terminal block, max. 250 V,		
for **NPN (low-side)** switching actuators, with ground connection		
orange	**2000-5377/101-000**	15

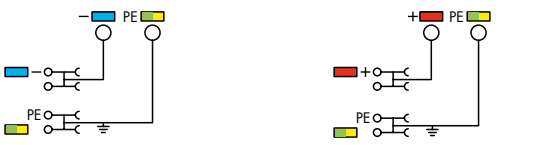
0.14 … 1 (1.5) mm² ❶ **24 … 16 AWG**
24 VDC **24 VDC, 10 A**
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ❸
9 … 11 mm / 0.39 in. ❹

2000-5317/1102-950 2000-5310/1101-951

Item No.		Pack. Unit
3-conductor actuator LED terminal block, for **PNP (high-side)**		
switching actuators, yellow LED, with ground connection		
gray	**2000-5317/1102-950**	50
gray	**2000-5310/1102-950**	❺ 50
3-conductor actuator LED terminal block, for **NPN (low-side)**		
switching actuators, yellow LED, with ground connection		
gray	**2000-5317/1101-951**	50
gray	**2000-5310/1101-951**	❺ 50



2000-5357/102-000 2000-5357/101-000



Item No.		Pack. Unit
3-conductor actuator supply terminal block, max. 250 V,		
control panel side: 2.5 (4) mm², max. 28 A, for **PNP (high-side)**		
switching actuators, with ground connection		
orange	**2000-5357/102-000**	15
3-conductor actuator LED supply terminal block, 24 VDC,		
control panel side: 2.5 (4) mm², max. 28 A, for **NPN (low-side)**		
switching actuators, with ground connection		
orange	**2000-5357/101-000**	15

Accessories

End Plates	Item No.	Pack. Unit
End and intermediate plates, 1 mm thick		
	for 3-conductor terminal blocks	
gray	**2000-5391**	100 (4x25)
	for 4-conductor terminal blocks	
gray	**2000-5491**	100 (4x25)

Jumpers	Item No.	Pack. Unit
Push-in type jumper bars, insulated		
	I_N 14 A, light gray	
2-pole	**2000-402**	200 (8x25)
3-pole	**2000-403**	200 (8x25)
⋮	⋮	⋮
10-pole	**2000-410**	100 (4x25)
red	.../000-005	
blue	.../000-006	
yellow-green	.../000-018	
Push-in type jumper bars, insulated		
	I_N 14 A, light gray	
1 to 3	**2000-433**	200 (8x25)
1 to 4	**2000-434**	200 (8x25)
⋮	⋮	⋮
1 to 10	**2000-440**	100 (4x25)
Push-in type wire jumpers, insulated		
	I_N 9 A, 0.75 mm² conductor cross-section	
L = 60 mm	**2009-402**	100 (10x10)
L = 110 mm	**2009-404**	100 (10x10)
L = 250 mm	**2009-406**	100 (10x10)

Marking	Item No.	Pack. Unit
Double-deck marker carrier,		
	pivoting	
gray	**2000-121**	50 (2x25)
Marking strip, plain,		
	11 mm wide, 50 m roll	
white	**2009-110**	1
WMB Inline, plain,		
	2,300 WMB markers (3.5 mm) on roll	
white	**2009-113**	1
WMB Multi Marking System, plain		
	10 strips with 10 markers per card	
	for 3.5 mm terminal block width	
white	**793-3501**	5
smartPRINTER		
	**258-5000**	1
	More information at www.wago.com/printer	

Carrier Rails	Item No.	Pack. Unit
Carrier rails, steel		
	I_N 76 A (reference length of 1 m)	
	35 x 7.5 mm, 1 mm thick, 2 m long	
unslotted	**210-113**	10
slotted	**210-112**	10 (10x1)
Hole width: 25 mm; hole spacing: 36 mm		
slotted	**210-115**	1
Hole width: 18 mm; hole spacing: 25 mm		
Carrier rail, aluminum		
	I_N 76 A (reference length of 1 m)	
	35 x 8.2 mm, 1.6 mm thick, 2 m long	
unslotted	**210-196**	10

End stops	Item No.	Pack. Unit
	for DIN-35 rails	
6 mm wide	**249-116**	100 (4x25)
10 mm wide	**249-117**	50 (2x25)

Testing Accessories	Item No.	Pack. Unit
Testing tap		
	for max. 2.5 mm²	
gray	**2009-182**	100 (4x25)
Test plug adapter		
	for 4 mm Ø test plug	
gray	**2009-174**	100 (4x25)
Banana plugs		
	for 4 mm Ø socket,	
	color mixed	
	215-111	50

Tools	Item No.	Pack. Unit
“Quickstrip 10” wire stripper		
	**206-124**	1
“Variocrimp 4” crimping tool		
	0.25 ... 4 mm²	
	206-204	1
Insulated ferrules, extra long,		
	0.5 mm²	**216-241** 1000
	0.75 mm²	**216-242** 1000
	For 2.5 (4) mm² supply terminal blocks:	
	1 mm²	**216-243** 1000
	1.5 mm²	**216-244** 1000
	2.5 mm²	**216-246** 1000
Operating tool with a partially insulated shaft,		
	type 1, (2.5 x 0.4) mm blade	
	210-719	1

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