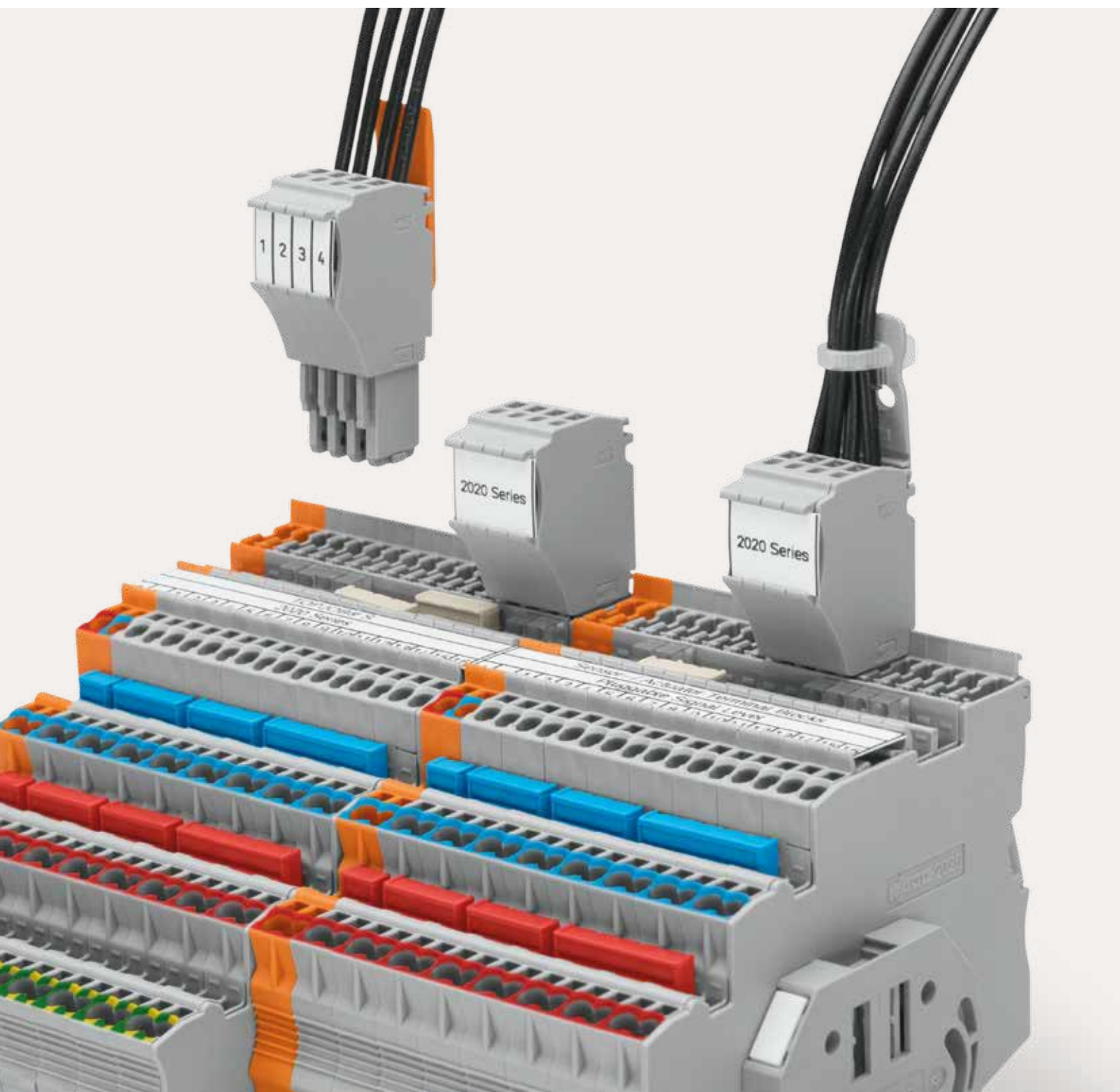


TOPJOB® S – Sensor/Actuator Terminal Blocks – Pluggable Signal Level with Push-in CAGE CLAMP® Reliability



TOPJOB® S – SEND THE RIGHT SIGNALS

For the very first time, sensor/actuator wiring is pluggable between terminal box and switch cabinet thanks to the newest additions of WAGO's TOPJOB® S terminal block family.

Both power supply and all signal paths can be combined into one single pluggable connector within a terminal box. Systems can be modularized via pre-assembled connectors.

Secure female plugs

via locking levers

Safely remove female plugs

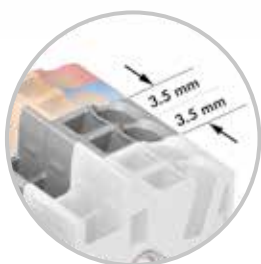
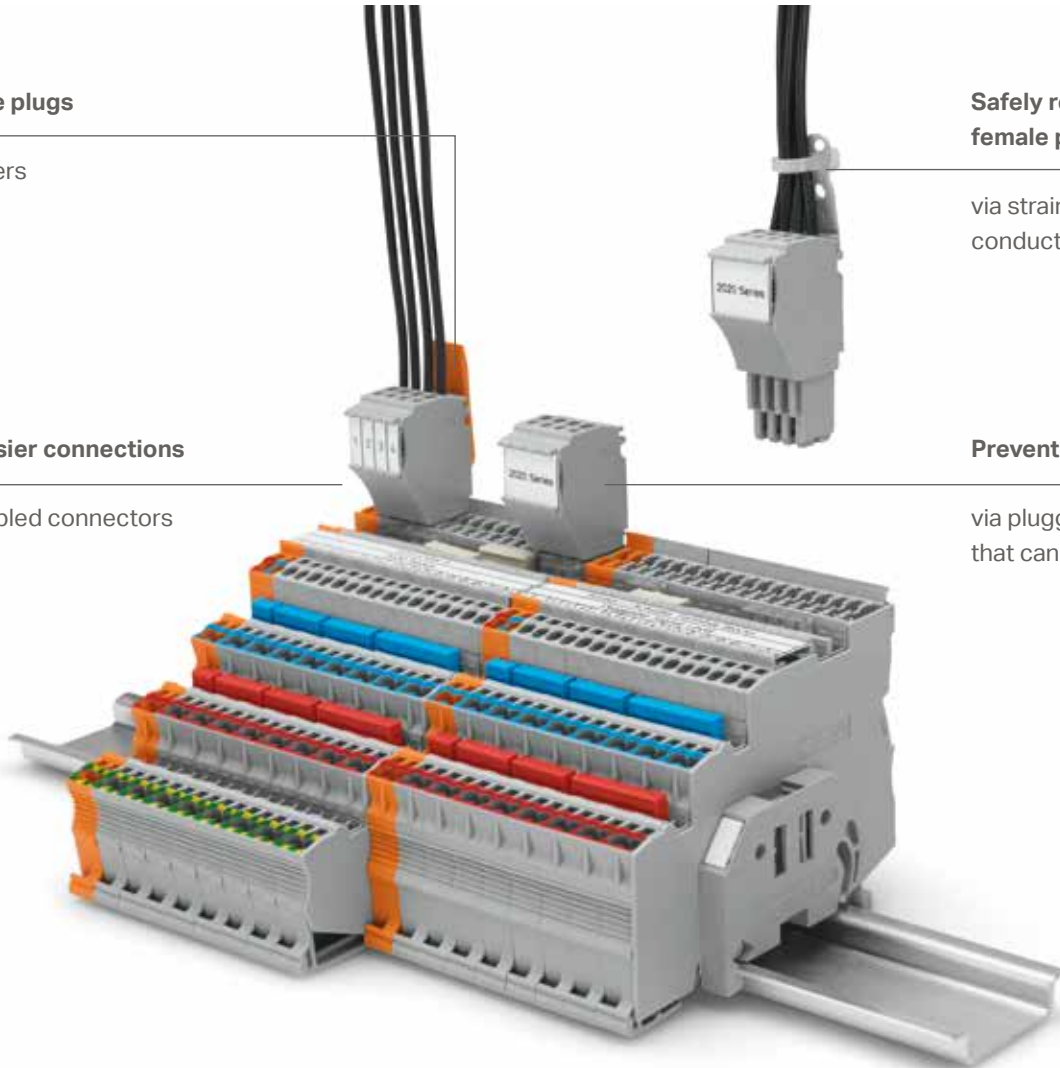
via strain-relieved conductors

Faster and easier connections

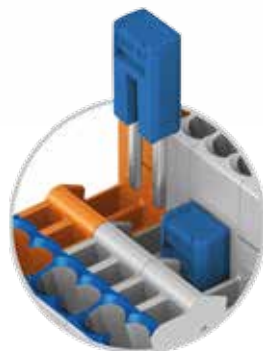
via pre-assembled connectors

Prevent wiring errors

via pluggable connectors that can be coded



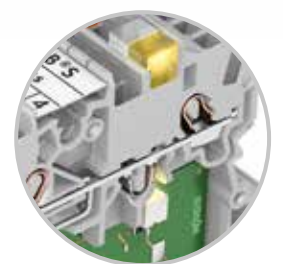
Highest Signal Density



Range of Multi-functional Jumpers

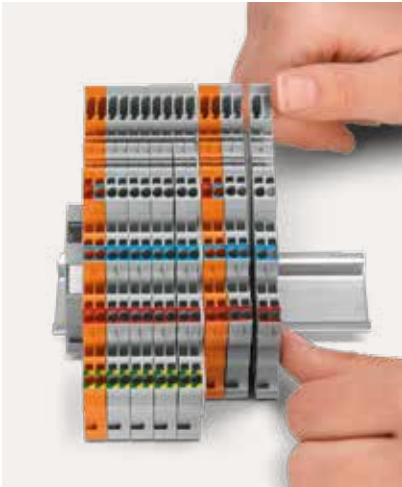


Fastest Marking System



LED, Wiring and Marking in Plain View

INSTALLATION



Assembly/Disassembly

The sensor/actuator terminal blocks with pluggable signal levels can be snapped together.

Assembly: Snap individual terminal blocks onto the DIN-rail and slide together.

Disassembly: Separate individual terminal blocks and slide laterally using an operating tool.

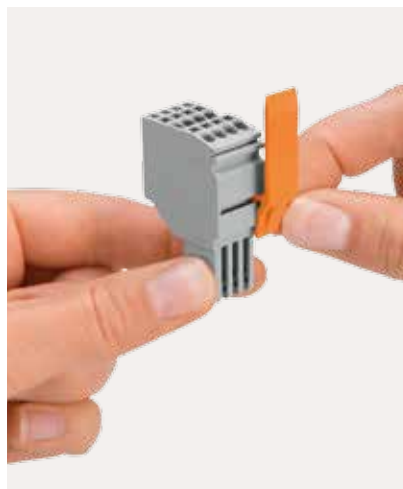
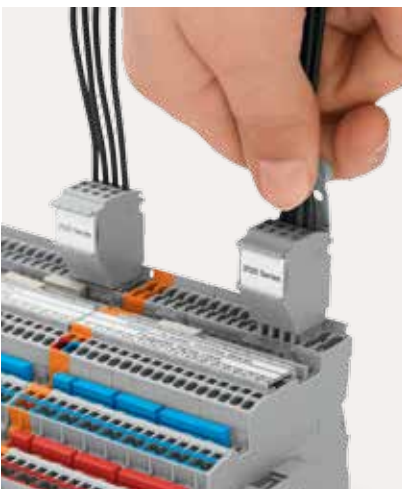


Mismatching Protection

Before installation, the pluggable connectors may be coded to prevent wiring errors.

Coding: Insert a coding pin into the appropriate terminal block slot and break it off from the carrier.

Remove a coding finger from the female plug using a cutting tool.





Mechanical Protection

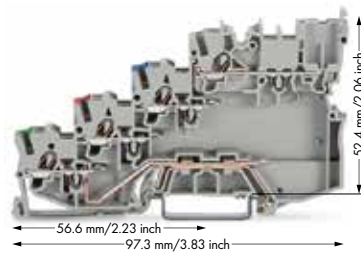
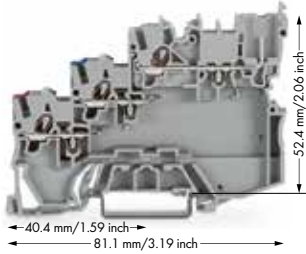
Locking levers for female plugs provide additional safety, making accidental disconnection more difficult.

Furthermore, strain relief plates allow female plugs to be safely pulled out.

3-/4-Conductor Sensor Terminal Blocks 1 (1.5) mm², 2020 Series

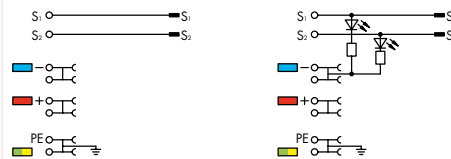
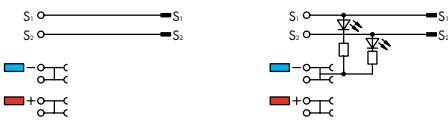
0.14 ... 1.5 mm² ① 24 ... 16 AWG
 250 V/4 kV ②
 I_N 13.5 A
 Terminal block width: 7 mm / 0.276 inch ③
 9 ... 11 mm / 0.35 ... 0.43 inch ④

0.14 ... 1.5 mm² ① 24 ... 16 AWG
 250 V/4 kV ②
 I_N 13.5 A
 Terminal block width: 7 mm / 0.276 inch ③
 9 ... 11 mm / 0.35 ... 0.43 inch ④



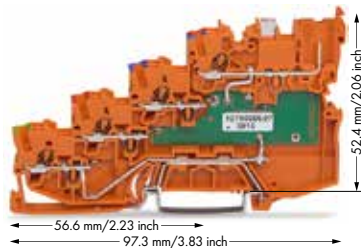
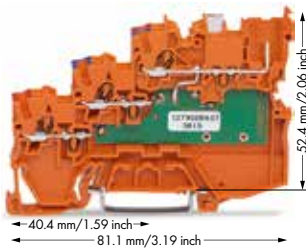
2020-5311 2020-5311/1102-950

2020-5417 2020-5417/1102-950



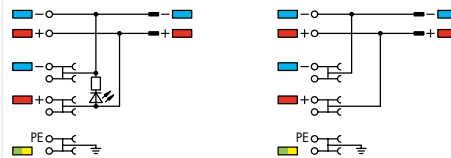
Item No.	Pack. Unit	Item No.	Pack. Unit
3-conductor sensor terminal block, with pluggable signal level		4-conductor sensor terminal block, with ground connection, with pluggable signal level	
● gray 2020-5311	50	● gray 2020-5417	50

3-conductor sensor LED terminal block, for PNP (high-side) switching sensors, 24 VDC, yellow LED, with pluggable signal level		4-conductor sensor LED terminal block, for PNP (high-side) switching sensors, 24 VDC, yellow LED, with ground connection, with pluggable signal level	
● gray 2020-5311/1102-950	50	● gray 2020-5417/1102-950	50



2020-5372/1102-953 2020-5372

2020-5477/1102-953 2020-5477



Item No.	Pack. Unit	Item No.	Pack. Unit
3-conductor sensor LED supply terminal block, 24 VDC, green LED, with pluggable signal level		4-conductor sensor LED supply terminal block, 24 VDC, green LED, with ground connection, with pluggable signal level	
● orange 2020-5372/1102-953	15	● orange 2020-5477/1102-953	15

3-conductor sensor supply terminal block, internally commoned, with pluggable signal level		4-conductor sensor supply terminal block, internally commoned, with ground connection with pluggable signal level	
● orange 2020-5372	15	● orange 2020-5477	15

① 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 ferrules, 10 mm"

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


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

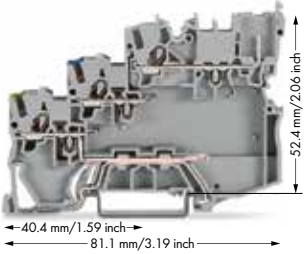
Note:
The double spacing per pole
of this terminal block series
maximizes connectivity.
For example, ten sensors
may be connected using
only five sensor terminal
blocks plus a power supply
terminal block.

④ Strip length, see packaging
or instructions

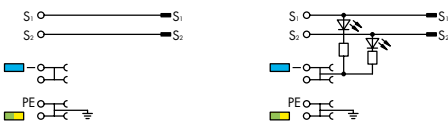
⑤ Ground connection via
commoning to terminal
blocks with ground foot

3-Conductor Actuator Terminal Blocks 1 (1.5 mm², 2020 Series)

0.14 ... 1.5 mm² ① 24 ... 16 AWG
 250 V/4 kV ②
 I_N 13.5 A
 Terminal block width: 7 mm / 0.276 inch ③
 9 ... 11 mm / 0.35 ... 0.43 inch ④



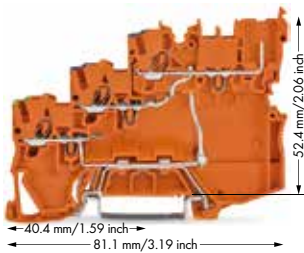
2020-5317/102-000 2020-5317/1102-950



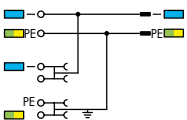
Item No.	Pack. Unit
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3-conductor actuator terminal block,
 for PNP (high-side) switching actuators,
 with ground connection, with pluggable signal level
 ● gray **2020-5317/102-000** 50

3-conductor actuator LED terminal block,
 for PNP (high-side) switching actuators, 24 VDC, yellow LED,
 with ground connection, with pluggable signal level
 ● gray **2020-5317/1102-950** 50



2020-5377/102-000



Item No.	Pack. Unit
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3-conductor actuator supply terminal block,
 for PNP (high-side) switching actuators, with ground connection
 internally commoned, with pluggable signal level
 ● orange **2020-5377/102-000** 15

Accessories

End Plates	Item No.	Pack. Unit
------------	----------	------------

End and intermediate plate, 1 mm thick
 for 3-conductor terminal blocks
 ● gray **2020-5391** 100 (25)
 for 4-conductor terminal blocks
 ● gray **2020-5491** 100 (25)

Female Plugs	Item No.	Pack. Unit
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1-conductor female plug,
 for insertion into carrier terminal blocks,
 with coding fingers
 ● gray
 Pole No. 2 **2020-102** 100
 4 **2020-104** 50
 6 **2020-106** 50
 8 **2020-108** 25
 10 **2020-110** 25
 12 **2020-112** 20
 14 **2020-114** 10



Coding Accessories	Item No.	Pack. Unit
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Carrier with 6 coding pins,
 for coding female plugs
 ● orange **2020-100** 100 (25)



Locking Levers	Item No.	Pack. Unit
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Width: 4.8 mm
 ● orange **2022-142** 100 (25)
 ● gray **2022-141** 100 (25)
Width: 9.6 mm
 ● orange **2022-152** 100 (25)
 ● gray **2022-151** 100 (25)



Strain Relief Plates	Item No.	Pack. Unit
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Strain relief plate,
 ● gray
 6 mm wide **734-327** 100 (4x25)
 12.5 mm wide **734-328** 100 (4x25)
 25 mm wide **734-329** 100 (4x25)
 35 mm wide **734-326** 100 (4x25)



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