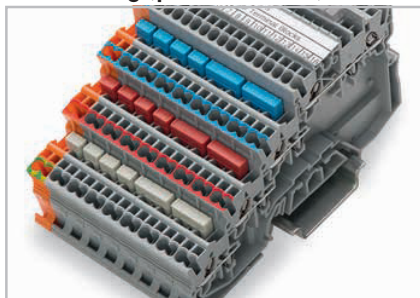


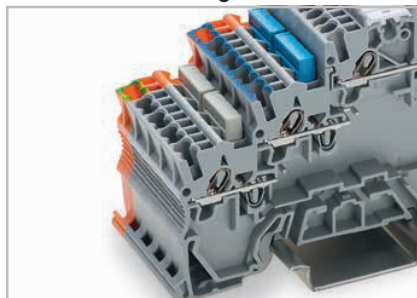
Sensor and Actuator Terminal Blocks – Description and Handling –

Commoning (potential level)



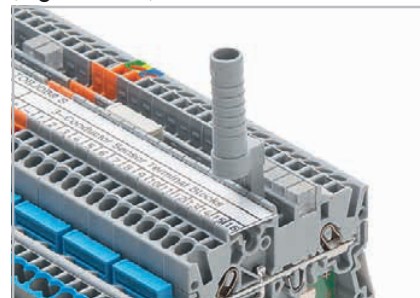
Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers.

Ground commoning



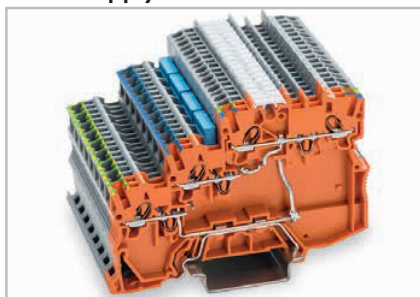
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.

Commoning and testing (signal level)

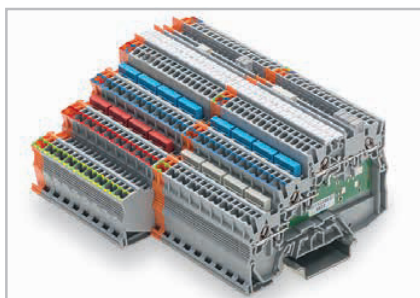


Commoning the signal level with push-in type jumper bars. Models with an LED can only be commoned in one jumper slot. TOPJOB® S Test Plug Adapter can be used in all jumper slots.

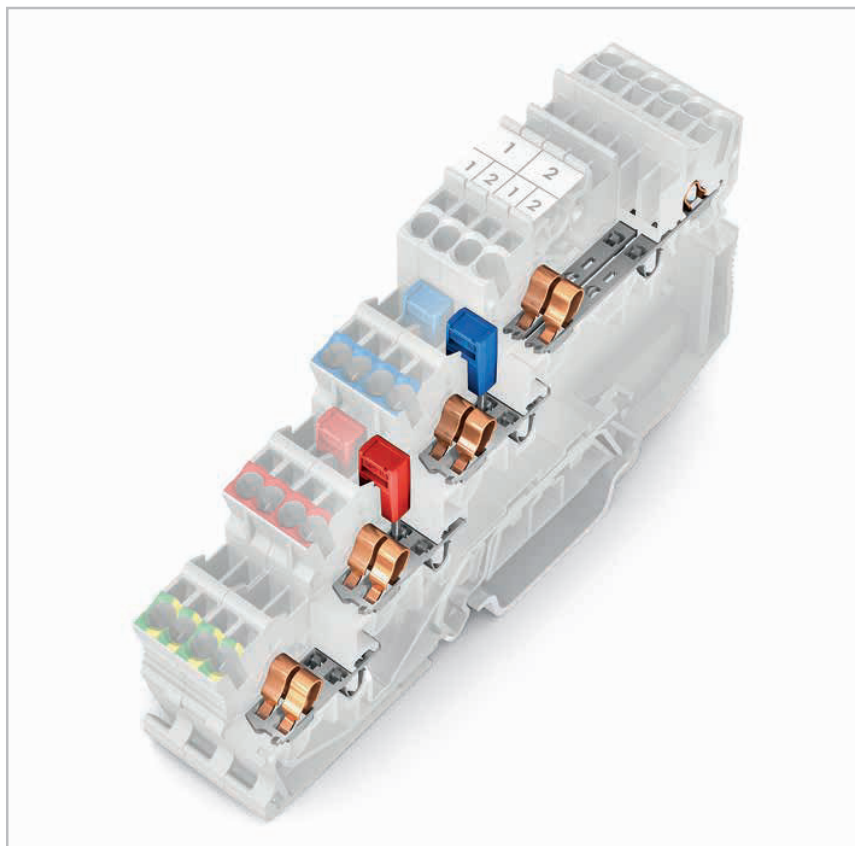
Power supply



Orange supply terminal block of same profile with a power supply option from both the cabinet and sensor sides

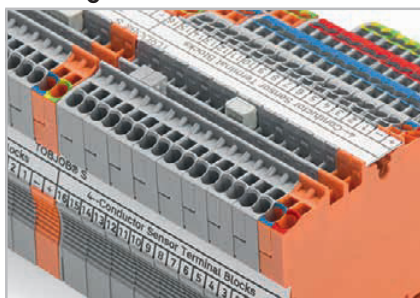


Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks

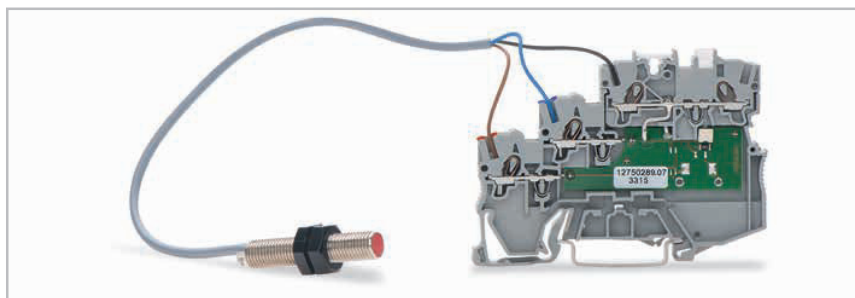


Upper level: two independent signal pathways in 3.5 mm spacing per pole, with dual jumper slot
Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions

Marking



Marking strips (2009-110) or 3.5 mm WMB markers (793-35xx), marking from the top or the side, additional marking option via marker carrier



3-conductor sensor LED terminal block with a connected sensor

For information on Push-in CAGE CLAMP® connection, see page 14.

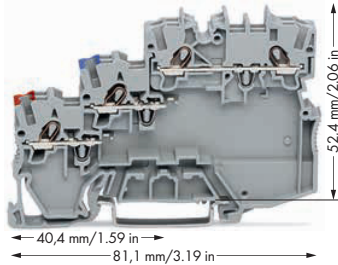
TOPJOB® S

3-Conductor Sensor Terminal Blocks 1 (1.5) mm²

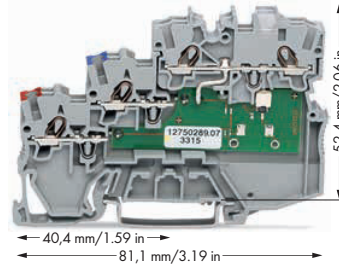
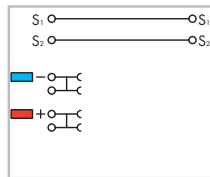
2000 Series

0.14 ... 1 (1.5) mm² ① 24 ... 16 AWG
250 V/4 kV/3 ②
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ③
8 ... 11 mm / 0.39 in.
④ Approvals

0.14 ... 1 (1.5) mm² ① 24 ... 16 AWG
24 VDC
I_N 13.5 A
Terminal block width: 7 mm / 0.276 in. ③
8 ... 11 mm / 0.39 in.
④ Approvals

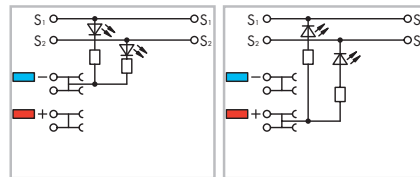


2000-5311



2000-5311/1102-950

2000-5311/1101-951



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 impulse voltage
3 = Pollution degree
(see Full Line Catalog)

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

④ For all approvals and corresponding ratings, visit
www.wago.com.

⑤ See application notes in our Full Line Catalog.

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 power supply terminal block.

1

Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
3-conductor sensor terminal block			3-conductor sensor LED terminal block, for PNP (high-side) switching sensors, yellow LED		
gray	2000-5311	50	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

Accessories for 3-Conductor Terminal Blocks

Appropriate marking systems:
WMB/Marking Strips/WMB Inline

End and intermediate plate, 1 mm thick,

for 3-conductor terminal blocks



2000-5391 100 (4x25)

Push-in type jumper bar, insulated,



I_N 14 A, light gray

2-way 2000-402 200 (8x25)

3-way 2000-403 200 (8x25)

10-way 2000-410 100 (4x25)



.../000-005 .../000-006

Push-in type jumper bar, 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)

Double-deck marker carrier,



pivoting

2000-121 50 (2x25)

Marking strip, plain,



11 mm wide,

50 m roll

2009-110 1

WMB Multi marking system, plain,



10 strips with 10 markers per card,

for 3.5 mm terminal block width

793-3501 5

Operating tool with a partially insulated shaft,



type 1, (2.5 x 0.4) mm blade

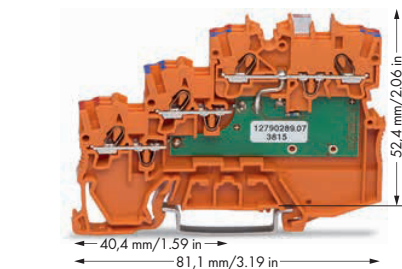
210-719 1

Insulated ferrules, extra long,



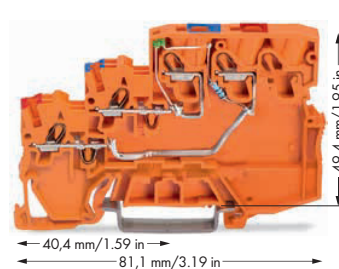
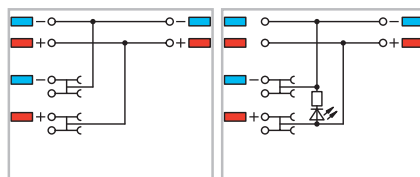
for TOPJOB® S terminal blocks,

see page 259

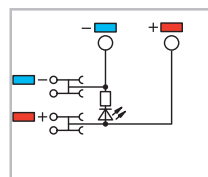


2000-5372

2000-5372/1102-953



2000-5352/1102-953



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
3-conductor sensor supply terminal block, max. 250 V,			3-conductor sensor supply terminal block, max. 250 V, control panel side: 2.5 (4) mm², max. 28 A		
orange	2000-5372	15	orange	2000-5352	15
3-conductor sensor LED supply terminal block, 24 VDC, green LED			3-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm², max. 28 A		
orange	2000-5372/1102-953	15	orange	2000-5352/1102-953	15

For technical information and abbreviations, see technical section.

TOPJOB® S

4-Conductor Sensor Terminal Blocks 1 (1.5) mm²

2000 Series

0.14 ... 1 (1.5) mm² ①
250 V/4 kV/3 ②
I_N 13.5 A

24 ... 16 AWG
300 V, 10 A

Terminal block width: 7 mm / 0.276 in. ③
9 ... 11 mm / 0.39 in.

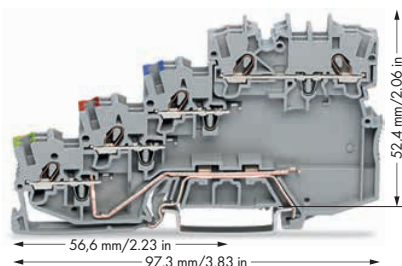
④ Approvals

0.14 ... 1 (1.5) mm² ①
24 VDC
I_N 13.5 A

24 ... 16 AWG
24 VDC, 10 A

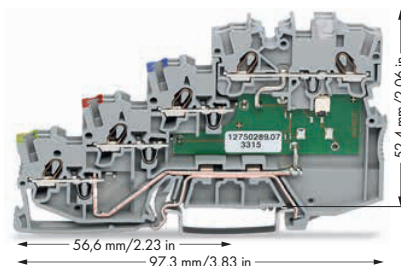
Terminal block width: 7 mm / 0.276 in. ③
9 ... 11 mm / 0.39 in.

④ Approvals



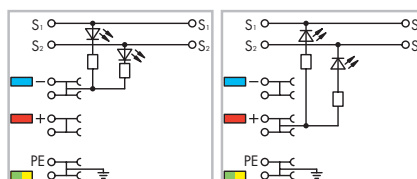
2000-5417

2000-5410



2000-5417/1102-950

2000-5417/1101-951



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 impulse voltage
3 = Pollution degree
(see Full Line Catalog)

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

④ For all approvals and corresponding ratings,
visit www.wago.com.

⑤ See application notes in our Full Line Catalog.

⑥ Ground connection via commoning to terminal
blocks with ground foot

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 power supply terminal block.

Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
4-conductor sensor terminal block, with ground connection			4-conductor sensor LED terminal block, for PNP (high-side) switching sensors, yellow LED, with ground connection		
gray	2000-5417	50	gray	2000-5417/1102-950	50
gray	2000-5410	50 ⑥	gray	2000-5410/1102-950	50 ⑥
			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	50 ⑥

Accessories for 4-Conductor Terminal Blocks

Appropriate marking systems:

WMB/Marking Strips/WMB Inline

End and intermediate plate, 1 mm thick,

for 4-conductor terminal blocks

2000-5491 100

Push-in type jumper bar, insulated,

IN 14 A, light gray

2-way 2000-402 200

3-way 2000-403 200

10-way 2000-410 100

.../000-005 .../000-006

.../000-018

Push-in type jumper bar, insulated,

IN 14 A, light gray

1 to 3 2000-433 200

1 to 4 2000-434 200

1 to 10 2000-440 100

Double-deck marker carrier,

pivoting

2000-121 50

Marking strip, plain,

11 mm wide,

50 m roll

2009-110 1

WMB Multi marking system, plain,

10 strips with 10 markers per card,

for 3.5 mm terminal block width

793-3501 5

Operating tool with a partially insulated shaft,

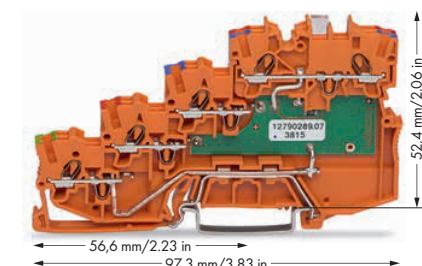
type 1, (2.5 x 0.4) mm blade

210-719 1

Insulated ferrules, extra long,

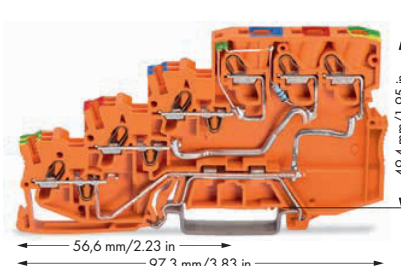
for TOPJOB® S terminal blocks,

see page 259

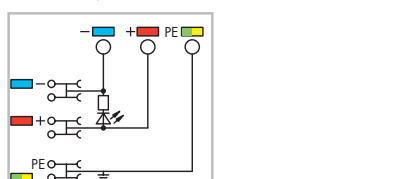
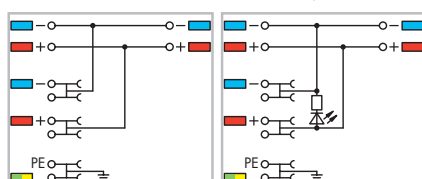


2000-5477

2000-5477/1102-953



2000-5457/1102-953



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
4-conductor sensor supply terminal block, max. 250 V, with ground connection			4-conductor sensor LED supply terminal block, max. 250 V, control panel side: 2.5 (4) mm², max. 28 A, with ground connection		
orange	2000-5477	15	orange	2000-5457	15
4-conductor sensor LED supply terminal block, 24 VDC, green LED, with ground connection			4-conductor sensor LED supply terminal block, 24 VDC, green LED, control panel side: 2.5 (4) mm², max. 28 A, with ground connection		
orange	2000-5477/1102-953	15	orange	2000-5457/1102-953	15

For technical information and abbreviations, see technical section.

TOPJOB® S**3-Conductor Actuator Terminal Blocks 1 (1.5) mm²****2000 Series**

0.14 ... 1 (1.5) mm² ① 24 ... 16 AWG
250 V/4 kV/3 ②
I_N 13.5 A

Terminal block width: 7 mm / 0.276 in. ③

8 ... 11 mm / 0.39 in.

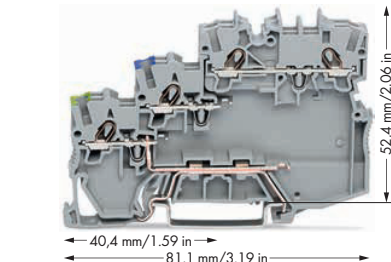
④ Approvals

0.14 ... 1 (1.5) mm² ① 24 ... 16 AWG
24 VDC
I_N 13.5 A

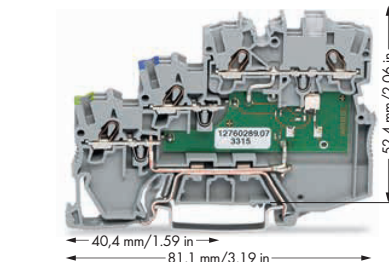
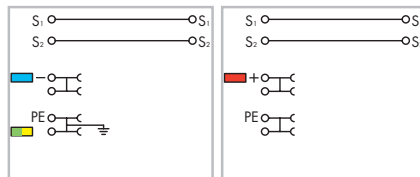
Terminal block width: 7 mm / 0.276 in. ③

8 ... 11 mm / 0.39 in.

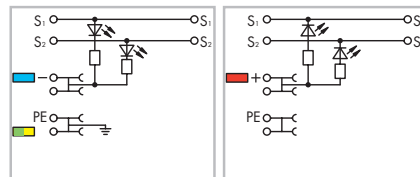
④ Approvals



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



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

**PUSH-IN CAGE CLAMP®**

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 impulse voltage
3 = Pollution degree

(see Full Line Catalog)

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

④ For all approvals and corresponding ratings,
visit www.wago.com.

⑤ See application notes in our Full Line Catalog.

⑥ Ground connection via commoning to terminal
blocks with ground foot

Note:

The double spacing per pole of this terminal
block series maximizes connectivity. For exam-
ple **ten** sensors may be connected using only
five sensor terminal blocks plus power supply
terminal block.

Color	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	50 ⑥
3-conductor actuator terminal block, for NPN (low-side) switching actuators		
gray	2000-5317/101-000	50
gray	2000-5310/101-000	50 ⑥

Color	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	50 ⑥
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	50 ⑥

Accessories for 3-Conductor Terminal Blocks

Appropriate marking systems:

WMB/Marking Strips/WMB Inline

End and intermediate plate, 1 mm thick,

for 3-conductor terminal blocks

2000-5391 100

Push-in type jumper bar, insulated,

IN 14 A, light gray

2-way 2000-402 200

3-way 2000-403 200

...

10-way 2000-410 100

.../000-005 .../000-006

.../000-018

Push-in type jumper bar, insulated,

IN 14 A, light gray

1 to 3 2000-433 200

1 to 4 2000-434 200

...

1 to 10 2000-440 100

Double-deck marker carrier,

pivoting

2000-121 50

Marking strip, plain,

11 mm wide,

50 m roll

2009-110 1

WMB Multi marking system, plain,

10 strips with 10 markers per card,

for 3.5 mm terminal block width

793-3501 5

Operating tool with a partially insulated shaft,

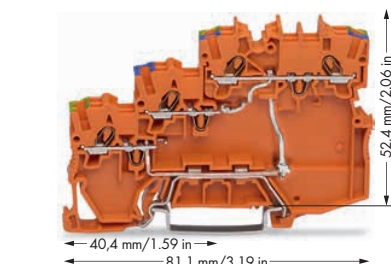
type 1, (2.5 x 0.4) mm blade

210-719 1

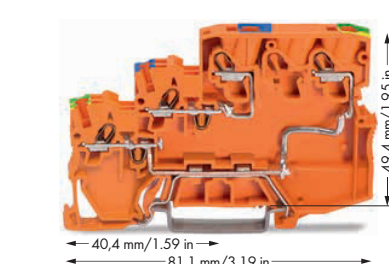
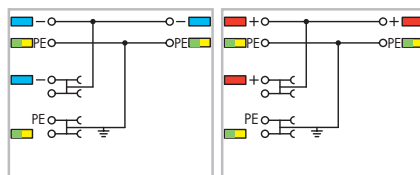
Insulated ferrules, extra long,

for TOPJOB® S terminal blocks,

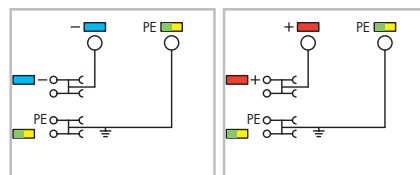
see page 259



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



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



Color	Item No.	Pack. Unit
3-conductor actuator supply terminal block, max. 250 V, for PNP (high-side) switching actuators, with ground connection		
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

Color	Item No.	Pack. Unit
3-conductor actuator supply terminal block, max. 250 V, control panel side: 2.5 (4) mm ² , 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) mm ² , max. 28 A, for NPN (low-side) switching actuators, with ground connection		
orange	2000-5357/101-000	15