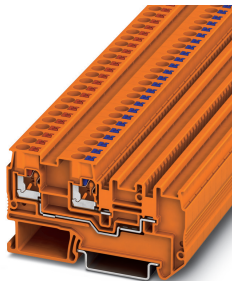


## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

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Sensor/actuator terminal block, Power terminal, nom. voltage: 250 V, nominal current: 20 A, connection method: Push-in connection, number of connections: 2, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, width: 7 mm, color: orange, mounting type: NS 35/7,5, NS 35/15

### Your advantages

- ✓ The compact design and front connection enable wiring in a confined space
- ✓ The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ✓ In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| GTIN                                 | <br>4 046356 735902 |
| GTIN                                 | 4046356735902   |
| Weight per Piece (excluding packing) | 11.500 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |
| Sales Key                            | BE2217  |

### Technical data

#### General

|  |                     |
|--|---------------------|
| Number of rows                         | 2                   |
| Number of connections                  | 2                   |
| Potentials                             | 2                   |
| Nominal cross section                  | 2.5 mm <sup>2</sup> |
| Color                                  | orange              |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Mounting type                          | NS 35/7,5           |

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Technical data

#### General

|   |   |
|---|---|
| Rated surge voltage   | 4 kV  |
| Degree of pollution   | 3   |
| Overvoltage category  | III   |
| Insulating material group   | I   |
| Maximum load current  | 20 A  |
| Nominal current $I_N$   | 20 A  |
| Nominal voltage $U_N$   | 250 V                                       |
| Open side panel   | Yes   |
| Shock protection test specification   | DIN EN 50274 (VDE 0660-514):2002-11         |
| Back of the hand protection   | guaranteed                                  |
| Finger protection   | guaranteed                                  |
| Result of surge voltage test  | Test passed                                 |
| Result of power-frequency withstand voltage test  | Test passed                                 |
| Power frequency withstand voltage setpoint  | 1.5 kV                                      |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed                                 |
| Result of flexion and pull-out test   | Test passed                                 |
| Bending test rotation speed   | 10 rpm                                      |
| Bending test turns  | 135   |
| Bending test conductor cross section/weight   | 0.2 mm <sup>2</sup> / 0.2 kg                |
|   | 2.5 mm <sup>2</sup> / 0.7 kg                |
| Tensile test result   | Test passed                                 |
| Result of tight fit on support  | Test passed                                 |
| Tight fit on carrier  | NS 35                                       |
| Setpoint  | 1 N   |
| Result of voltage-drop test   | Test passed                                 |
| Result of temperature-rise test   | Test passed                                 |
| Requirement temperature-rise test   | Increase in temperature $\leq 45$ K         |
| Short circuit stability result  | Test passed                                 |
| Conductor cross section short circuit testing   | 4 mm <sup>2</sup>                           |
| Short-time current  | 0.36 kA                                     |
| Result of thermal test  | Test passed                                 |
| Proof of thermal characteristics (needle flame) effective duration                        | 10 s  |
| Result of aging test  | Test passed                                 |
| Ageing test for screwless modular terminal block temperature cycles                       | 192   |
| Oscillation, broadband noise test result  | Test passed                                 |
| Test specification, oscillation, broadband noise  | DIN EN 50155 (VDE 0115-200):2008-03         |
| Test spectrum   | Service life test category 2, bogie-mounted |
| Test frequency  | $f_1 = 5$ Hz to $f_2 = 250$ Hz              |
| ASD level   | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz   |
| Acceleration  | 3.12g                                       |

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Technical data

#### General

|   |                                     |
|---|-------------------------------------|
| Test duration per axis  | 5 h                                 |
| Test directions   | X-, Y- and Z-axis                   |
| Shock test result   | Test passed                         |
| Test specification, shock test  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form  | Half-sine                           |
| Acceleration  | 30g                                 |
| Shock duration  | 18 ms                               |
| Number of shocks per direction  | 3                                   |
| Test directions   | X-, Y- and Z-axis (pos. and neg.)   |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C                              |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C                              |
| Static insulating material application in cold                          | -60 °C                              |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 7 mm    |
| End cover width  | 2.2 mm  |
| Length           | 74.4 mm |
| Height NS 35/7,5 | 41.5 mm |
| Height NS 35/15  | 49 mm   |

#### Connection data

|  |  |
|--|--|
| Note   | Please observe the current carrying capacity of the DIN rails. |
| Connection method  | Push-in connection   |
| Stripping length   | 8 mm ... 10 mm   |
| Connection in acc. with standard   | IEC 60947-7-1  |
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 4 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 24   |
| Conductor cross section AWG max.   | 12   |
| Conductor cross section flexible min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.  | 2.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, flexible   | 24   |
| Max. AWG conductor cross section, flexible   | 14   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                             | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max.                             | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                                | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                                | 2.5 mm <sup>2</sup>  |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.5 mm <sup>2</sup>  |
| Connection cross sections directly pluggable   | 0.34 mm <sup>2</sup> 4 mm <sup>2</sup>                         |
| Conductor cross section solid min.   | 0.34 mm <sup>2</sup>   |

# Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

## Technical data

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid max.   | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>  |
| Internal cylindrical gage  | A3                   |

### Ambient conditions

|  |   |
|--|---|
| Operating temperature                    | -60 °C ... 105 °C (max. short-term operating temperature 130°C)           |
| Ambient temperature (storage/transport)  | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 %   |
| Ambient temperature (assembly)           | -5 °C ... 70 °C   |
| Ambient temperature (actuation)          | -5 °C ... 70 °C   |

### Standards and Regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Circuit diagram

○●● ○●●

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141128 |
| eCl@ss 11.0   | 27141128 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27141100 |
| eCl@ss 7.0    | 27141128 |
| eCl@ss 9.0    | 27141128 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |

# Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC000900 |
| ETIM 7.0 | EC000900 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |
| UNSPSC 18.0   | 39121410 |
| UNSPSC 19.0   | 39121410 |
| UNSPSC 20.0   | 39121410 |
| UNSPSC 21.0   | 39121410 |

## Approvals


### Approvals


#### Approvals

CSA / EAC / UL Recognized / cUL Recognized / cULus Recognized

#### Ex Approvals

### Approval details

|                            |   |   |       |
|----------------------------|---|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            | B   | C   | D     |
| Nominal voltage UN         | 300 V   | 150 V   | 300 V |
| Nominal current IN         | 10 A  | 16 A  | 10 A  |
| mm <sup>2</sup> /AWG/kcmil | 24-12   | 24-12   | 24-12 |

|     |   |                          |
|-----|---|--------------------------|
| EAC |  | RU C-<br>DE.BL08.B.00644 |
|-----|---|--------------------------|

# Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

## Approvals

|                            |       |   |             |
|----------------------------|-------|---|-------------|
| UL Recognized              |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E60425 |
|                            | B     | C   | D           |
| Nominal voltage UN         | 300 V | 150 V   | 300 V       |
| Nominal current IN         | 10 A  | 16 A  | 10 A        |
| mm <sup>2</sup> /AWG/kcmil | 24-12 | 24-12   | 24-12       |

|                            |       |   |             |
|----------------------------|-------|---|-------------|
| cUL Recognized             |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E60425 |
|                            | B     | C   | D           |
| Nominal voltage UN         | 300 V | 150 V   | 300 V       |
| Nominal current IN         | 10 A  | 16 A  | 10 A        |
| mm <sup>2</sup> /AWG/kcmil | 24-12 | 24-12   | 24-12       |

|                  |  |
|------------------|--|
| cULus Recognized |  |
|------------------|--|

## Accessories

### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 10 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Crimping pliers - CRIMPFOX CENTRUS 6H - 1213146



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX CENTRUS 10H - 1213156



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 10 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX 10S - 1212045



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm<sup>2</sup> ... 10 mm<sup>2</sup>, unlockable pressure lock, lateral entry

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, unlockable pressure lock, lateral entry

Crimping pliers - CRIMPFOX 2,5-M - 1212719



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>, lateral entry, trapezoidal crimp

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

#### Crimping pliers - CRIMPFOX 6-M - 1212720



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

---

#### Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

---

#### Crimping pliers - CRIMPFOX 6T - 1212037



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6 mm<sup>2</sup>, lateral entry, trapezoidal crimp

---

#### Crimping pliers - CRIMPFOX 6T-F - 1212038



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6 mm<sup>2</sup>, front entry, trapezoidal crimp

---

#### Crimping pliers - CRIMPFOX 6S-F - 1212043



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.5 mm<sup>2</sup> ... 6 mm<sup>2</sup>, front entry, square crimp

---



## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Crimping pliers - CRIMPFOX-M - 1212072



Basic pliers, for accommodating dies for a wide range of type of contacts

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### DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM - 1204122



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

---

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421



DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762



DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

---

End cap - NS 35/ 7,5 CAP - 1206560



DIN rail end piece, for DIN rail NS 35/7.5

---

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

---

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

---

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

---

End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

---

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798



DIN rail, unperforated, Standard profile 2.3 mm, width: 35 mm, height: 15 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

---

### Documentation

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Mounting material - PT-IL - 3208090



Operating decal for the push-in Technology

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### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

---

End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

---

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

---

### End cover

End cover - D-PTIO 1,5/S/3 - 3244575



End cover, length: 74.4 mm, width: 2.2 mm, height: 33.8 mm, color: gray

---

### Filler plug

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Filler plugs - CEC 2,5 - 3062757



Cover for conductor shaft, 10-pos., for spring cage terminal blocks (ST) and terminal blocks with push-in technology (PT) with a width of 5.2 mm

---

### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



---

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



---

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



---

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



### Jumper

Plug-in bridge - FBS 2-3,5 - 3213014



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: red

---

Plug-in bridge - FBS 3-3,5 - 3213027



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: red

---

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Plug-in bridge - FBS 4-3,5 - 3213030



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: red

---

Plug-in bridge - FBS 5-3,5 - 3213043



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: red

---

Plug-in bridge - FBS 10-3,5 - 3213056



Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: red

---

Plug-in bridge - FBS 20-3,5 - 3213069



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: red

---

Plug-in bridge - FBS 50-3,5 - 3000706



Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: red

---



## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Plug-in bridge - FBS 2-3,5 BU - 3213086



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: blue

---

Plug-in bridge - FBS 3-3,5 BU - 3213099



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: blue

---

Plug-in bridge - FBS 4-3,5 BU - 3213109



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: blue

---

Plug-in bridge - FBS 5-3,5 BU - 3213112



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: blue

---

Plug-in bridge - FBS 10-3,5 BU - 3213125



Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: blue

---

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Plug-in bridge - FBS 20-3,5 BU - 3213138



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: blue

---

Plug-in bridge - FBS 50-3,5 BU - 3000708



Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: blue

---

Plug-in bridge - FBS 2-3,5 GY - 3213153



Plug-in bridge, pitch: 3.5 mm, number of positions: 2, color: gray

---

Plug-in bridge - FBS 3-3,5 GY - 3213167



Plug-in bridge, pitch: 3.5 mm, number of positions: 3, color: gray

---

Plug-in bridge - FBS 4-3,5 GY - 3213180



Plug-in bridge, pitch: 3.5 mm, number of positions: 4, color: gray

---

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Plug-in bridge - FBS 5-3,5 GY - 3213183



Plug-in bridge, pitch: 3.5 mm, number of positions: 5, color: gray

---

Plug-in bridge - FBS 10-3,5 GY - 3213196



Plug-in bridge, pitch: 3.5 mm, number of positions: 10, color: gray

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Plug-in bridge - FBS 20-3,5 GY - 3213206



Plug-in bridge, pitch: 3.5 mm, number of positions: 20, color: gray

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Plug-in bridge - FBS 50-3,5 GY - 3000707



Plug-in bridge, pitch: 3.5 mm, number of positions: 50, color: gray

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### Labeled terminal marker

Zack Marker strip, flat - ZBF 5 CUS - 0825025



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

#### Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

#### Marker for terminal blocks - UC-TMF 5 CUS - 0824638



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

#### Marker for terminal blocks - UCT-TMF 5 CUS - 0829658



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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#### Zack marker strip - ZB 5 CUS - 0824962



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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#### Zack marker strip - ZB 5,LGS:FORTL.ZAHLEN - 1050017



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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#### Zack marker strip - ZB 5,QR:FORTL.ZAHLEN - 1050020



Zack marker strip, white, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm

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#### Zack marker strip - ZB 5,LGS:GLEICHE ZAHLEN - 1050033



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Zack marker strip - ZB 5,LGS:L1-N,PE - 1050415



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks - UC-TM 5 CUS - 0824581



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

Marker for terminal blocks - UCT-TM 5 CUS - 0829595



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

### Partition plate

Spacer plate - DP PS-3,5 - 3031011



Spacer plate, length: 15.9 mm, width: 3.5 mm, height: 33.5 mm, number of positions: 1, color: red

### Planning and marking software

Software - PROJECT COMPLETE - 1050453



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

### Screwdriver tools

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

Actuation tool - ST-BW - 1207608



Actuation tool, for all 2.5 mm<sup>2</sup> - 4.0 mm<sup>2</sup> spring-cages

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### Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

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Marker for terminal blocks - UC-TMF 5 - 0818153



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 5.1 mm, Number of individual labels: 96

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Marker for terminal blocks - UCT-TMF 5 - 0828744



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

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Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

#### Marker for terminal blocks - UC-TM 5 - 0818108



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

#### Marker for terminal blocks - UCT-TM 5 - 0828734



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

### Test plug terminal block

#### Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: gray

#### Test plugs - PS-3,5 - 3031010



Test plugs, Modular test plug, color: red

#### Test plugs - PS-3,5/E - 3031012



Test plugs, Individual test plug, color: red

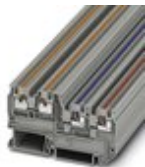
### Additional products



## Sensor/actuator terminal block - PTIO-IN 2,5/3 OG - 3244559

### Accessories

#### Sensor/actuator terminal block - PTIO 1,5/S/3 - 3244410



Sensor/actuator terminal block, nom. voltage: 250 V, nominal current: 13.5 A, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

#### Sensor/actuator terminal block - PTIO 1,5/S/3-LED 24 GN - 3244436



Sensor/actuator terminal block, with green light indicator, nom. voltage: 250 V, nominal current: 13.5 A, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

#### Sensor/actuator terminal block - PTIO-IN 2,5/3-LED 24 GN - 3244561



Sensor/actuator terminal block, Power terminal, nom. voltage: 24 V, nominal current: 13.5 A, connection method: Push-in connection, number of connections: 2, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, width: 7 mm, color: orange, mounting type: NS 35/7,5, NS 35/15

#### Sensor/actuator terminal block - PTIO 1,5/S/3-LED 24 RD - 3244423



Sensor/actuator terminal block, with red light indicator, nom. voltage: 250 V, nominal current: 13.5 A, connection method: Push-in connection, number of connections: 4, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 3.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/15

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