

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

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Sensor/actuator terminal block, with green light indicator, Connection method: Push-in connection, 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

The illustration shows the version without LED/light indicator

### Product Features

- 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
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection



### Key Commercial Data

|                                      |        |
|--------------------------------------|--------|
| Packing unit                         | 1 pc   |
| Minimum order quantity               | 50 pc  |
| Weight per Piece (excluding packing) | 7.2 g  |
| Country of origin                    | Poland |

### Technical data

#### General

|  |                     |
|--|---------------------|
| Number of levels                       | 3                   |
| Number of connections                  | 4                   |
| Potentials                             | 3                   |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Color                                  | gray                |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Maximum load current                   | 13.5 A              |
| Rated surge voltage                    | 4 kV                |
| LED voltage range                      | 15 V DC ... 24 V AC |

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

### Technical data

#### General

|                                |                     |
|--------------------------------|---------------------|
| LED current range              | 0.31 mA ... 0.95 mA |
| Degree of pollution            | 3                   |
| Overvoltage category           | III                 |
| Insulating material group      | I                   |
| Maximum load current           | 13.5 A              |
| Nominal current I <sub>N</sub> | 13.5 A              |
| Nominal voltage U <sub>N</sub> | 250 V               |
| Open side panel                | Yes                 |

#### Dimensions

|                  |         |
|------------------|---------|
| Width            | 3.5 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

|  |                      |
|--|----------------------|
| Connection method  | Push-in connection   |
| Connection in acc. with standard   | IEC 60947-7-1        |
| Conductor cross section solid min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG max.   | 14                   |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Min. AWG conductor cross section, flexible                                 | 26                   |
| Max. AWG conductor cross section, flexible                                 | 14                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 1 mm <sup>2</sup>    |
| Stripping length   | 8 mm ... 10 mm       |
| Internal cylindrical gage  | A1 / B1              |

#### Standards and Regulations

|  |               |
|--|---------------|
| Connection in acc. with standard       | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V0            |

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141118 |
| eCl@ss 4.1 | 27141118 |
| eCl@ss 5.0 | 27141118 |
| eCl@ss 5.1 | 27141118 |
| eCl@ss 6.0 | 27141128 |
| eCl@ss 7.0 | 27141128 |
| eCl@ss 8.0 | 27141128 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000900 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Approvals

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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|-----|
| EAC |
|-----|

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

## Approvals

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| CSA                            |       |       |       |
|                                | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub> | 10 A  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 150 V | 300 V |

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| UL Recognized                  |       |       |       |
|                                | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub> | 15 A  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 150 V | 300 V |

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| cUL Recognized                 |       |       |       |
|                                | B     | C     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 26-14 | 26-14 | 26-14 |
| Nominal current I <sub>N</sub> | 15 A  | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 150 V | 300 V |

|     |
|-----|
| EAC |
|-----|

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

## Accessories

Accessories

DIN rail

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

### Accessories

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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

### Accessories

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



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

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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

### Accessories

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



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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

### Accessories

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



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Documentation

Mounting material - PT-IL - 3208090

Operating decal for the push-in Technology





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

### Accessories

#### 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

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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

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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#### End cover

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



End cover, Length: 74.4 mm, Width: 2.2 mm, Color: gray

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#### Insulating sleeve

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

### Accessories

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

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Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

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Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

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Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

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Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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

### Accessories

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

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Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

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### Jumper

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 2, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 3, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 4, Color: red

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

### Accessories

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 5, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 10, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 20, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 50, Color: red

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 2, Color: blue

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

### Accessories

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 3, Color: blue

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 4, Color: blue

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 5, Color: blue

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 10, Color: blue

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 20, Color: blue

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

### Accessories

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 50, Color: blue

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 2, Color: gray

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 3, Color: gray

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 4, Color: gray

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



Plug-in bridge, Pitch: 3.5 mm, Number of positions: 5, Color: gray

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

### Accessories

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 - ZB 3,5 CUS - 0829415



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

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Zack marker strip - ZB 3,5,LGS:FORTL.ZAHLEN - 0801404



Zack marker strip, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

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

### Accessories

#### Zack marker strip - ZB 3,5,QR:FORT.ZAHLEN - 0801405



Zack marker strip, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into tall marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

#### Marker for terminal blocks - UCT-TM 3,5 CUS - 0829581



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: 3.5 mm, Lettering field: 2.95 x 10.5 mm

#### Zack Marker strip, flat - ZBF 3,5 CUS - 0829394



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: 3.5 mm, Lettering field: 3.5 x 5.2 mm

#### Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 5.15 x 3.5 mm

#### Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



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: 3.5 mm, Lettering field: 5.15 x 3.5 mm



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

### Accessories

Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



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: 3.5 mm, Lettering field: 2.7 x 4.7 mm

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### 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

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### Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040



Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

Software - CLIP-PROJECT PROFESSIONAL - 5146053



Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

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### Screwdriver tools

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

### Accessories

Screwdriver - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm<sup>2</sup> spring cages from PT 1,5/S and FT 1,5/S

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### Terminal marking

Zack marker strip - ZB 3,5:UNBEDRUCKT - 0829414



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 10.5 mm

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Marker for terminal blocks - UCT-TM 3,5 - 0829484



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 3.5 mm, Lettering field: 2.95 x 10.5 mm

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Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 3.5 x 5.2 mm

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Marker for terminal blocks - UCT-TMF 3,5 - 0829486



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into flat marker groove, for terminal block width: 3.5 mm, Lettering field: 2.7 x 4.7 mm

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

### Accessories

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, Color: silver

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Test plugs - PS-3,5 - 3031010



Test plugs, Color: red

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



Test plugs, Color: red

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### Drawings

Circuit diagram

