

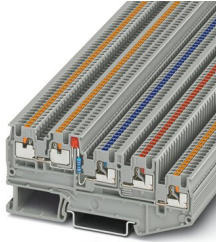
# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

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

## Your advantages

- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- 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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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## Commercial Data

Item number	3244517
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2218
Catalog Page	Page 41 (C-1-2019)
GTIN	4046356735919
Weight per Piece (including packing)	8,58 g
Weight per Piece (excluding packing)	7,8 g
Customs tariff number	85369010
Country of origin	PL

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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## Technical Data

### Product properties

Product type	Sensor/actuator terminal block
Number of connections	5
Number of rows	4
Potentials	4

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.56 W
LED voltage range	15 V AC/DC ... 30 V AC/DC
LED current range	0.31 mA ... 0.95 mA

### Input data

LED voltage range	15 V AC/DC ... 30 V AC/DC
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### Connection data

Number of connections per level	2
Nominal cross section	1.5 mm <sup>2</sup>
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A1 / B1
Conductor cross section solid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Cross section AWG	26 ... 14
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	26 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup> Using the AI-S 1-8 TQ ferrule, Item No. 1200293, is recommended
Nominal current	13.5 A
Maximum load current	13.5 A
Nominal voltage	250 V
Nominal cross section	1.5 mm <sup>2</sup>

### Connection cross sections directly pluggable

Conductor cross section solid	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 1 mm <sup>2</sup>

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## Dimensions

Width	3.5 mm
End cover width	2.2 mm
Height	40 mm
Height NS 35/15	48.5 mm
Height NS 35/7,5	41.5 mm
Length	90.8 mm

## Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Electrical tests

### Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed
Short-time withstand current 1.5 mm <sup>2</sup>	0.18 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	1.5 kV
Result	Test passed

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Mechanical tests

### Mechanical strength

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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Result	Test passed
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## Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N
Result	Test passed

## Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.14 mm <sup>2</sup> / 0.2 kg
	1.5 mm <sup>2</sup> / 0.4 kg
Result	Test passed

## Environmental and real-life conditions

### Aging

Temperature cycles	192
Result	Test passed

### Needle-flame test

Time of exposure	30 s
Result	Test passed

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

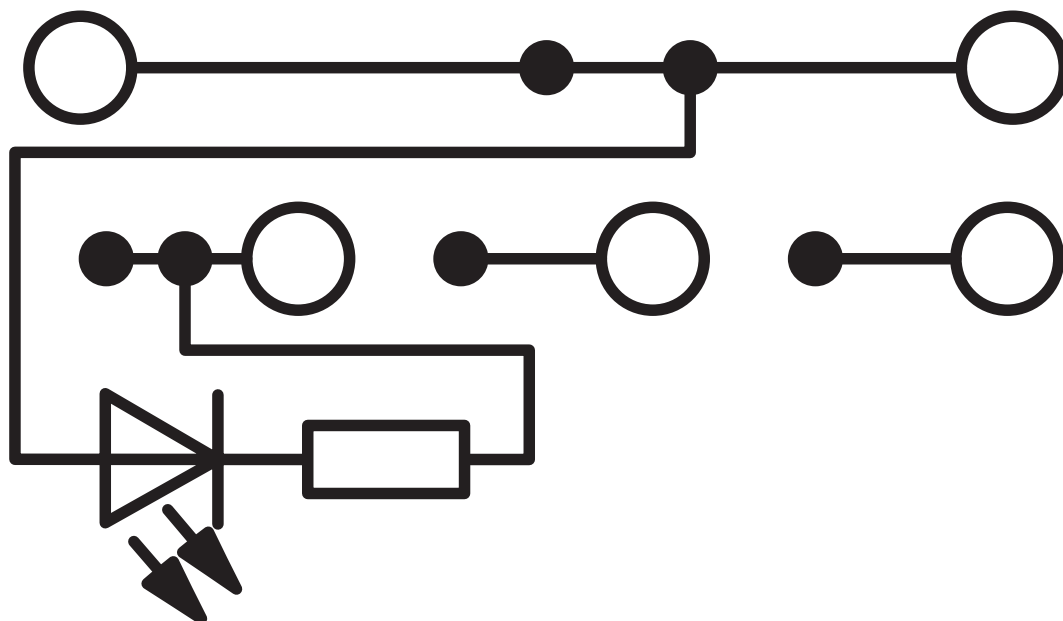


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## Drawings

Circuit diagram




# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD





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## Approvals

 <b>CSA</b> Approval ID: 13631				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Use group B	300 V	10 A	26 - 14	-
Use group C	150 V	15 A	26 - 14	-
Use group D	300 V	10 A	26 - 14	-

 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00644				
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 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Use group B	300 V	15 A	26 - 14	-
Use group C	150 V	15 A	26 - 14	-
Use group D	300 V	10 A	26 - 14	-



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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## Classifications

### ECLASS

ECLASS-9.0	27141128
ECLASS-10.0.1	27141128
ECLASS-11.0	27141128

### ETIM

ETIM 8.0	EC000900
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### UNSPSC

UNSPSC 21.0	39121400
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# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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## Environmental Product Compliance

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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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## Accessories

**i** Note: Applying some accessories below might limit this product.

### Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213014>



Plug-in bridge, pitch: 3.5 mm, color: red

**i** Max. current carrying capacity: 17.5 A

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### Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213027>



Plug-in bridge, pitch: 3.5 mm, color: red

**i** Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213030>



Plug-in bridge, pitch: 3.5 mm, color: red

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213043>



Plug-in bridge, pitch: 3.5 mm, color: red

 Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213056>



Plug-in bridge, pitch: 3.5 mm, color: red

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213069>



Plug-in bridge, pitch: 3.5 mm, color: red

 Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3000706>



Plug-in bridge, Version with single- or double-sided cutting edge. Please keep in mind the possible impact on touch protection as well as air clearances and creepage distances., pitch: 3.5 mm, color: red

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213086>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213099>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213109>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

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# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213112>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213125>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

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# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213138>



Plug-in bridge, pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3000708>



Plug-in bridge, Version with single- or double-sided cutting edge. Please keep in mind the possible impact on touch protection as well as air clearances and creepage distances., pitch: 3.5 mm, color: blue

 Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213153>



Plug-in bridge, pitch: 3.5 mm, color: gray

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213167>



Plug-in bridge, pitch: 3.5 mm, color: gray

 Max. current carrying capacity: 17.5 A

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# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213180>



Plug-in bridge, pitch: 3.5 mm, color: gray

 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213183>



Plug-in bridge, pitch: 3.5 mm, color: gray

 Max. current carrying capacity: 17.5 A

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# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213196>

Plug-in bridge, pitch: 3.5 mm, color: gray



 Max. current carrying capacity: 17.5 A

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## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3213206>

Plug-in bridge, pitch: 3.5 mm, color: gray



 Max. current carrying capacity: 17.5 A

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>


## Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3000707>



Plug-in bridge, Version with single- or double-sided cutting edge. Please keep in mind the possible impact on touch protection as well as air clearances and creepage distances., pitch: 3.5 mm, color: gray

 Max. current carrying capacity: 17.5 A

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## End cover

End cover - D-PTIO 1,5/S/4 - 3244588

<https://www.phoenixcontact.com/de/produkte/3244588>



End cover, length: 90.8 mm, width: 2.2 mm, height: 33.8 mm, color: gray

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/0801733>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

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## Mounting material

Mounting material - PT-IL - 3208090

<https://www.phoenixcontact.com/de/produkte/3208090>

Operating decal for the push-in Technology



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

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## Actuation tool

Actuation tool - ST-BW 0 - 1200135

<https://www.phoenixcontact.com/de/produkte/1200135>



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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

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## Marker for terminal blocks

Marker for terminal blocks - UCTU-TM (3,5X7) - 0803666

<https://www.phoenixcontact.com/de/produkte/0803666>



Marking material specially for PTIO 1.5/S... terminal block range



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



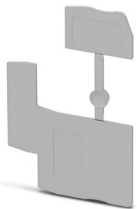
DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

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## Cover segment

Cover segment - DS-PTIO 1,5/S - 1045987

<https://www.phoenixcontact.com/de/produkte/1045987>



End cover segments, large segment: 32.25 x 13.83 x 0.9, small segment: 22.65 x 11.65 x 0.9, color: gray

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

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## Ferrule

Ferrule - AI-S 1 - 8 TQ - 1200293

<https://www.phoenixcontact.com/de/produkte/1200293>



Ferrule, S-Slimline, sleeve length: 8 mm, length: 14.5 mm, color: turquoise

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

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## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

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## End cap

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

<https://www.phoenixcontact.com/de/produkte/1206560>

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



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1201730>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

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## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1201714>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/0806602>



DIN rail perforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white, Pack of 25 (50 m)

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## DIN rail, unperforated

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM-VPE 10 - 1204135

<https://www.phoenixcontact.com/de/produkte/1204135>



DIN rail, unperforated, similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

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## DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1206599>



DIN rail perforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1206586>



DIN rail, unperforated, similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

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## DIN rail, unperforated

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM-VPE 10 - 1201895

<https://www.phoenixcontact.com/de/produkte/1201895>



DIN rail, unperforated, similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## End cap

End cap - NS 35/15 CAP - 1206573

<https://www.phoenixcontact.com/de/produkte/1206573>

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



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## DIN rail, unperforated

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM-VPE 10 - 1201798

<https://www.phoenixcontact.com/de/produkte/1201798>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver, Pack of 10 (20 m)

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Test plugs

Test plugs - MPS-MT - 0201744

<https://www.phoenixcontact.com/de/produkte/0201744>



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

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## Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

<https://www.phoenixcontact.com/de/produkte/0201663>



Insulating sleeve, color: white

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

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<https://www.phoenixcontact.com/de/produkte/3244517>

## Insulating sleeve

Insulating sleeve - MPS-IH RD - 0201676

<https://www.phoenixcontact.com/de/produkte/0201676>

Insulating sleeve, color: red



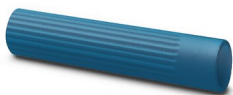
---

## Insulating sleeve

Insulating sleeve - MPS-IH BU - 0201689

<https://www.phoenixcontact.com/de/produkte/0201689>

Insulating sleeve, color: blue



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Insulating sleeve

Insulating sleeve - MPS-IH YE - 0201692

<https://www.phoenixcontact.com/de/produkte/0201692>

Insulating sleeve, color: yellow



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## Insulating sleeve

Insulating sleeve - MPS-IH GN - 0201702

<https://www.phoenixcontact.com/de/produkte/0201702>

Insulating sleeve, color: green



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Insulating sleeve

Insulating sleeve - MPS-IH GY - 0201728

<https://www.phoenixcontact.com/de/produkte/0201728>

Insulating sleeve, color: gray



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## Insulating sleeve

Insulating sleeve - MPS-IH BK - 0201731

<https://www.phoenixcontact.com/de/produkte/0201731>

Insulating sleeve, color: black



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Software

Software - PROJECT COMPLETE - 1050453

<https://www.phoenixcontact.com/de/produkte/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

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## End clamp

End clamp - CLIPFIX 35 - 3022218

<https://www.phoenixcontact.com/de/produkte/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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## End clamp

End clamp - CLIPFIX 35-5 - 3022276

<https://www.phoenixcontact.com/de/produkte/3022276>



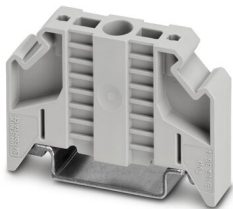
Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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## End clamp

End clamp - E/NS 35 N - 0800886

<https://www.phoenixcontact.com/de/produkte/0800886>



End clamp, width: 9.5 mm, color: gray

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Test plugs

Test plugs - PS-3,5 - 3031010

<https://www.phoenixcontact.com/de/produkte/3031010>

Test plugs, Modular test plug, color: red



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## Spacer plate

Spacer plate - DP PS-3,5 - 3031011

<https://www.phoenixcontact.com/de/produkte/3031011>

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





# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Test plugs

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

<https://www.phoenixcontact.com/de/produkte/3031012>



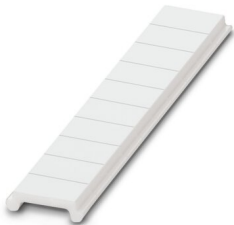
Test plugs, Individual test plug, color: red

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## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0829392>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

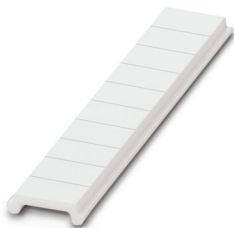
3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/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 size: 3.5 x 5.2 mm, Number of individual labels: 10

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## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0801406>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



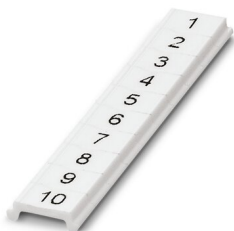
3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0801407>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

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## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0829486>



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: snapped, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/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 size: 2.7 x 4.7 mm, Number of individual labels: 108

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## Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144

<https://www.phoenixcontact.com/de/produkte/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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 10S - 1213154

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 6H - 1213146

<https://www.phoenixcontact.com/de/produkte/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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX CENTRUS 10H - 1213156

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX 10S - 1212045

<https://www.phoenixcontact.com/de/produkte/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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX 6H - 1212046

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX 2,5-M - 1212719

<https://www.phoenixcontact.com/de/produkte/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 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX 6-M - 1212720

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX 6 - 1212034

<https://www.phoenixcontact.com/de/produkte/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



# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX 6T - 1212037

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX 6T-F - 1212038

<https://www.phoenixcontact.com/de/produkte/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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Crimping pliers

Crimping pliers - CRIMPFOX 6S-F - 1212043

<https://www.phoenixcontact.com/de/produkte/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

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## Crimping pliers

Crimping pliers - CRIMPFOX-M - 1212072

<https://www.phoenixcontact.com/de/produkte/1212072>



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

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/0829414>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

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## Zack marker strip

Zack marker strip - ZB 3,5 CUS - 0829415

<https://www.phoenixcontact.com/de/produkte/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 size: 3.5 x 10.5 mm, Number of individual labels: 10

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

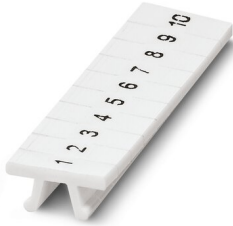
3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/0801404>



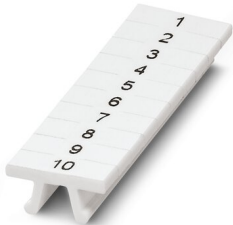
Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

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## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/0801405>



Zack marker strip, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 3.5 mm, lettering field size: 3.5 x 10.5 mm, Number of individual labels: 10

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD

3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/0829484>



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: snapped, for terminal block width: 3.5 mm, lettering field size: 2.95 x 10.5 mm, Number of individual labels: 102

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## Marker for terminal blocks

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

<https://www.phoenixcontact.com/de/produkte/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 size: 2.95 x 10.5 mm, Number of individual labels: 102

# Sensor/actuator terminal block - PTIO 1,5/S/4-LED 24 RD



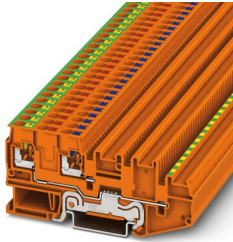
3244517

<https://www.phoenixcontact.com/de/produkte/3244517>

## Sensor/actuator terminal block

Sensor/actuator terminal block - PTIO-IN 2,5/4-PE OG - 3244481

<https://www.phoenixcontact.com/de/produkte/3244481>



Sensor/actuator terminal block, Feed-in terminal with protective conductor function, nom. voltage: 250 V, nominal current: 20 A, connection method: Push-in connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: orange

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