

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



3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

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Sensor/actuator terminal block, Power terminal, 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

## 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

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



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## Commercial Data

Item number	3244559
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2217
Catalog Page	Page 41 (C-1-2019)
GTIN	4046356735902
Weight per Piece (including packing)	11,5 g
Weight per Piece (excluding packing)	11,5 g
Customs tariff number	85369010
Country of origin	PL

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## Technical Data

### Product properties

Product type	Sensor/actuator terminal block
Number of connections	2
Number of rows	2
Potentials	2

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W

### Connection data

Service Entrance	yes
Number of connections per level	1
Nominal cross section	2.5 mm <sup>2</sup>
Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	24 ... 14
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup>
Nominal current	20 A
Maximum load current	20 A
Nominal voltage	250 V
Nominal cross section	2.5 mm <sup>2</sup>

### Connection cross sections directly pluggable

Conductor cross section solid	0.34 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.34 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

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

## Material specifications

Color	orange
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

## Electrical tests

### Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed

### Temperature-rise test

Requirement temperature-rise test	Increase in temperature $\leq 45$ K
Result	Test passed
Short-time withstand current 4 mm <sup>2</sup>	0.36 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

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
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Revolutions	135
Conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
	2.5 mm <sup>2</sup> / 0.7 kg
	4 mm <sup>2</sup> / 0.9 kg
Result	Test passed

## Environmental and real-life conditions

### Aging

Temperature cycles	192
Result	Test passed

### Needle-flame test

Time of exposure	10 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 <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 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)
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

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## Drawings

### Circuit diagram




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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	24 - 12	-
Use group C	150 V	16 A	24 - 12	-
Use group D	300 V	10 A	24 - 12	-

 <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	10 A	24 - 12	-
Use group C	150 V	16 A	24 - 12	-
Use group D	300 V	10 A	24 - 12	-



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



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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-IN 2,5/3 OG



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## Environmental Product Compliance

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

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## Accessories

 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

 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

 Max. current carrying capacity: 17.5 A

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

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## 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-IN 2,5/3 OG

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## 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

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

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## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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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-IN 2,5/3 OG

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<https://www.phoenixcontact.com/de/produkte/3244559>


## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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<https://www.phoenixcontact.com/de/produkte/3244559>


## 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/3 - 3244575

<https://www.phoenixcontact.com/de/produkte/3244575>



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

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



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<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

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<https://www.phoenixcontact.com/de/produkte/3244559>

## 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 - 1207608

<https://www.phoenixcontact.com/de/produkte/1207608>



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

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

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<https://www.phoenixcontact.com/de/produkte/3244559>

## DIN rail perforated

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

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



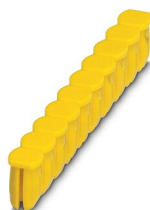
DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

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## Filler plugs

Filler plugs - CEC 2,5 - 3062757

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



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## 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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## 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)

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

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## 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-IN 2,5/3 OG

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## 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



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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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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## 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-IN 2,5/3 OG

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<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

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## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0808642>



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

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## Zack Marker strip, flat

Zack Marker strip, flat - ZBF 5 CUS - 0825025

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

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

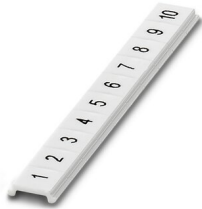
3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0808671>



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

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## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0808697>



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: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0810821>



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

---

## Zack Marker strip, flat

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

<https://www.phoenixcontact.com/de/produkte/0810863>



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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Marker for terminal blocks

Marker for terminal blocks - UC-TMF 5 - 0818153

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

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

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

<https://www.phoenixcontact.com/de/produkte/3244559>

## Marker for terminal blocks

Marker for terminal blocks - UCT-TMF 5 - 0828744

<https://www.phoenixcontact.com/de/produkte/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: snapped, for terminal block width: 5.2 mm, lettering field size: 4.4 x 4.7 mm, Number of individual labels: 72

---

## Marker for terminal blocks

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

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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Zack marker strip

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004

<https://www.phoenixcontact.com/de/produkte/1050004>



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

---

## Zack marker strip

Zack marker strip - ZB 5 CUS - 0824962

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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/1050017>



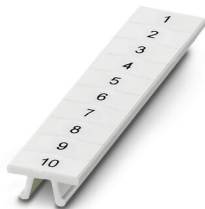
Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/1050020>



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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/1050033>



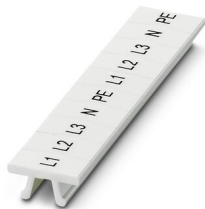
Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

---

## Zack marker strip

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

<https://www.phoenixcontact.com/de/produkte/1050415>



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, 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

<https://www.phoenixcontact.com/de/produkte/3244559>

## Marker for terminal blocks

Marker for terminal blocks - UC-TM 5 - 0818108

<https://www.phoenixcontact.com/de/produkte/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: snapped, for terminal block width: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

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## Marker for terminal blocks

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

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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Marker for terminal blocks

Marker for terminal blocks - UCT-TM 5 - 0828734

<https://www.phoenixcontact.com/de/produkte/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: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

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## Marker for terminal blocks

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

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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Insulating sleeve

Insulating sleeve - MPS-IH RD - 0201676

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

Insulating sleeve, color: red



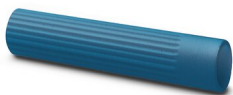
---

## Insulating sleeve

Insulating sleeve - MPS-IH BU - 0201689

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

Insulating sleeve, color: blue



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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG



3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## End clamp

End clamp - CLIPFIX 35-5 - 3022276

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



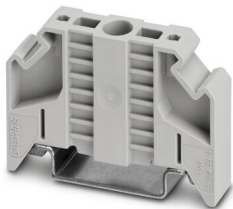
Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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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## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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

---

## 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-IN 2,5/3 OG

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## 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-IN 2,5/3 OG

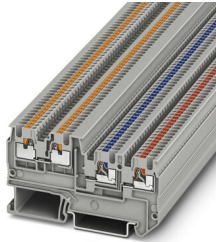
3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Sensor/actuator terminal block

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

<https://www.phoenixcontact.com/de/produkte/3244410>



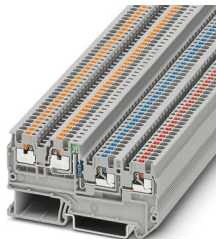
Sensor/actuator terminal block, nom. voltage: 250 V, nominal current: 13.5 A, connection method: Push-in connection, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.14 mm<sup>2</sup> - 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray

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## Sensor/actuator terminal block

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

<https://www.phoenixcontact.com/de/produkte/3244436>



Sensor/actuator terminal block, with green 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

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

3244559

<https://www.phoenixcontact.com/de/produkte/3244559>

## Sensor/actuator terminal block

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

<https://www.phoenixcontact.com/de/produkte/3244561>



Sensor/actuator terminal block, Power terminal, nom. voltage: 24 V, nominal current: 13.5 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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## Sensor/actuator terminal block

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

<https://www.phoenixcontact.com/de/produkte/3244423>



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

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