

# PP-RJ-SCC - Patch panel

2703018

<https://www.phoenixcontact.com/pc/products/2703018>

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Patch panel, RJ45 jack on Push-in terminal blocks, 10/100/1000 Mbps, DIN rail adapter, IP20, shield contacting with strain relief

## Product description

Ethernet patch panels enable quick and easy connection between the field cabling and control cabinet cabling. The passive termination panels are a convenient alternative to the on-site assembly of RJ45 connectors.

## Your advantages

- Extended temperature range of -40 °C ... +75 °C
- Fast connection of the field cable
- Wiring space covered with front panel cover
- Tool-free shield contacting with strain relief
- Shipbuilding approval in accordance with DNV GL
- PoE-capable in accordance with IEEE 802.3bt, type 4

## Commercial data

Item number	2703018
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	DNC334
Catalog page	Page 361 (C-6-2019)
GTIN	4055626462882
Weight per piece (including packing)	69.2 g
Weight per piece (excluding packing)	62.27 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Notes

#### Utilization restriction

CCCex note	Use in potentially explosive areas is not permitted in China.
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### Product properties

Product type	Patch panel
MTTF	105699 Years

#### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	0 W (passive module, no supply voltage required)
Rated insulation voltage	85 V DC (In accordance with EN/IEC 60079-7, Annex H)

### Interfaces

Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3

Serial transmission speed	10/100/1000 Mbps
Frequency range	125 MHz
Connection method	Push-in connection
Pin assignment	1:1
Transmission length	100 m (including patch cables)
Single conductor/terminal point, rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Single-wire/terminal point, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (only together with CRIMPFOX 6)
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (only together with CRIMPFOX 6)
Max. AWG conductor cross section, flexible	16
Min. AWG conductor cross section, flexible	26
Single-wire/terminal point, rigid AWG max.	16
Single-wire/terminal point, rigid AWG min.	26
Stripping length	8 mm
Transmission medium	Copper
Output nominal voltage	< 57 V DC
Maximum output power	60 W
Maximum output current	725 mA (Per channel)

Data: Ethernet interface, 10/100/1000Base-T(X) in accordance with IEEE 802.3

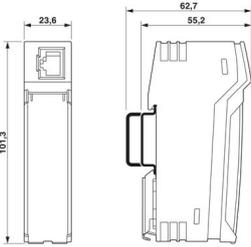
Connection method	RJ45 jack
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### Dimensions

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Dimensional drawing	
Width	23.8 mm
Height	101.3 mm
Depth	50 mm

## Material specifications

Material	Plastic
Flammability rating according to UL 94	V0

## Cable/line

External cable diameter ( )	5.5 mm ... 6.5 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20 (Manufacturer's declaration)
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) ≤ 2000 m (Restrictions for ATEX applications)
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Approvals

### CE

Certificate	CE-compliant
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### ATEX

Identification	Ⓔ II 3 G Ex ec IIC Gc
Certificate	PxCIF18ATEX2703015U
Note	Please follow the special installation instructions in the documentation!

### UKEX

Identification	Ⓔ II 3 G Ex ec IIC Gc
Certificate	PxCIMA22UKEX2703015U

### UL, USA

Certificate	UL 60079-0 Ed. 6 / UL 60079-15 Ed. 4
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## UL, Canada

Certificate	CSA 22.2 No. 60079-0 Ed. 3 / CSA 22.2 No. 60079-15:16
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## Corrosive gas test

Identification	ISA-S71.04-1985 G3 Harsh Group A
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## Shipbuilding

Identification	DNV GL
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## DNV GL data

Temperature	D
Humidity	B
Vibration	B
EMC	B

## Mounting

Mounting type	DIN rail mounting, stationary
Assembly instructions	The product can be snapped onto all 35 mm DIN rails in accordance with EN 60715.

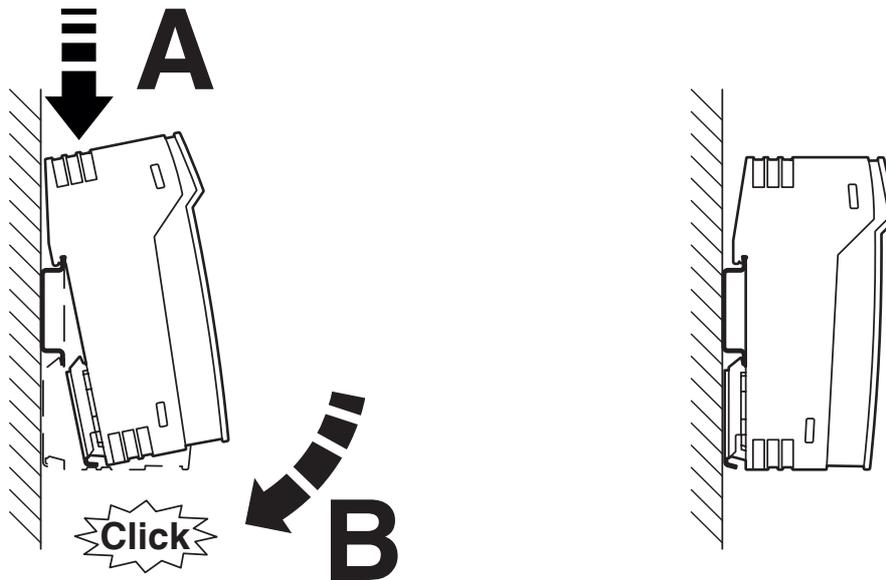
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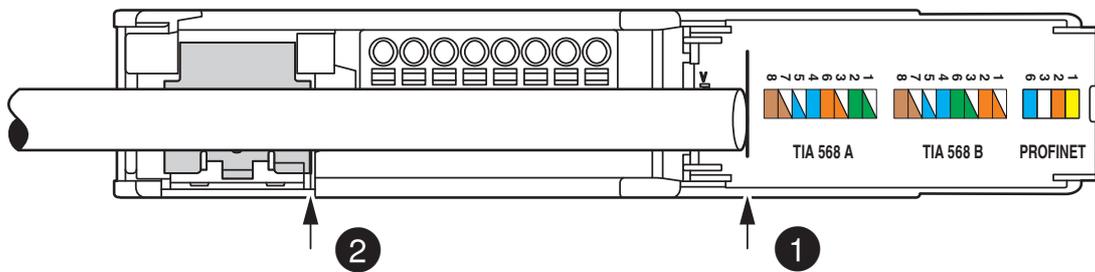
## Drawings

Schematic diagram



Mounting on a DIN rail

Schematic diagram



Stripping length

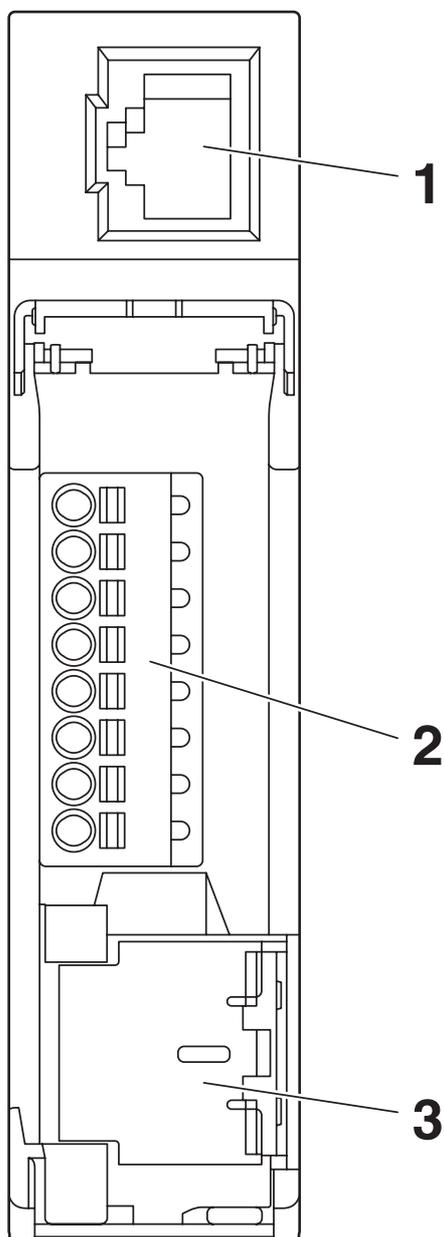
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Schematic diagram



Front view

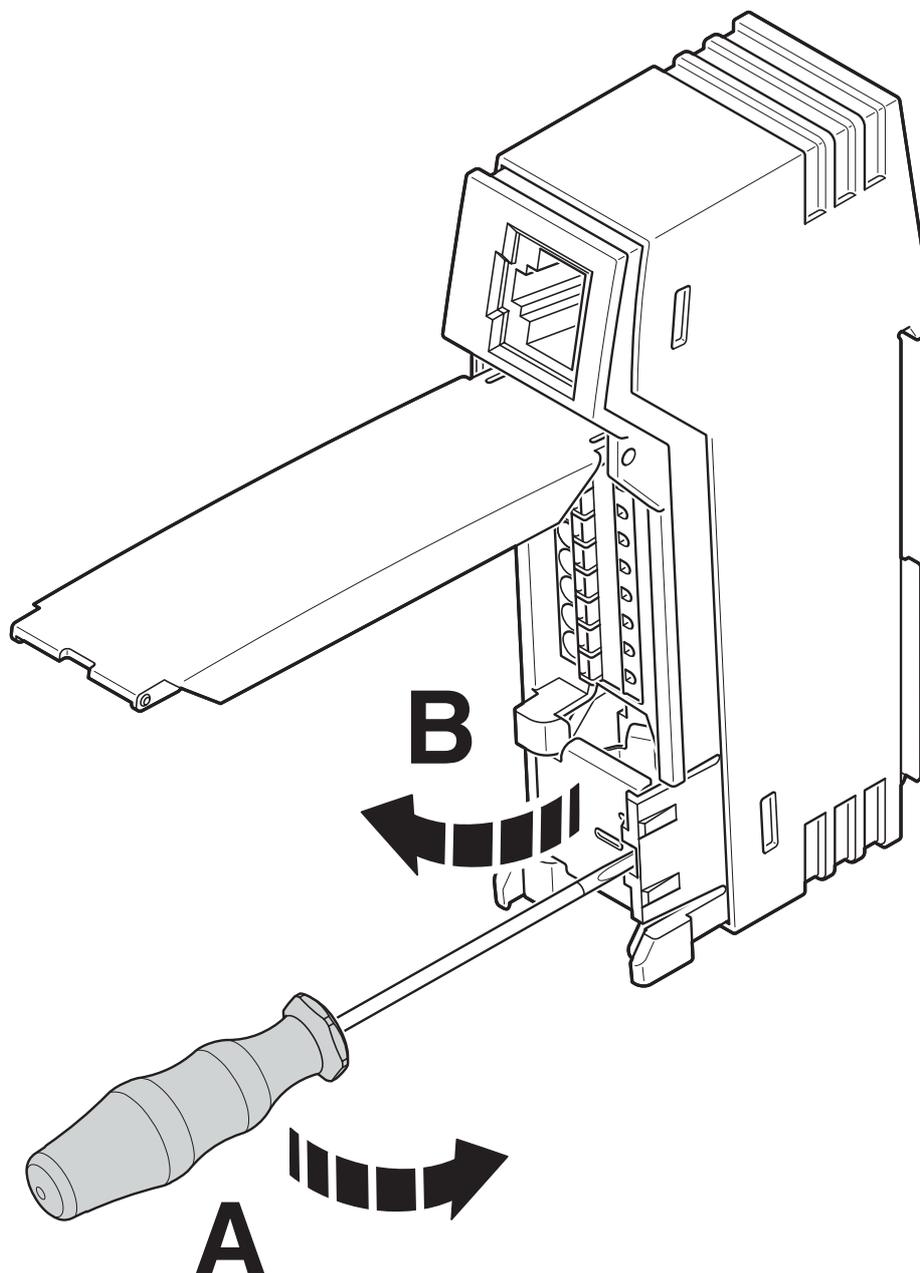
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Schematic diagram



Open shield contact spring

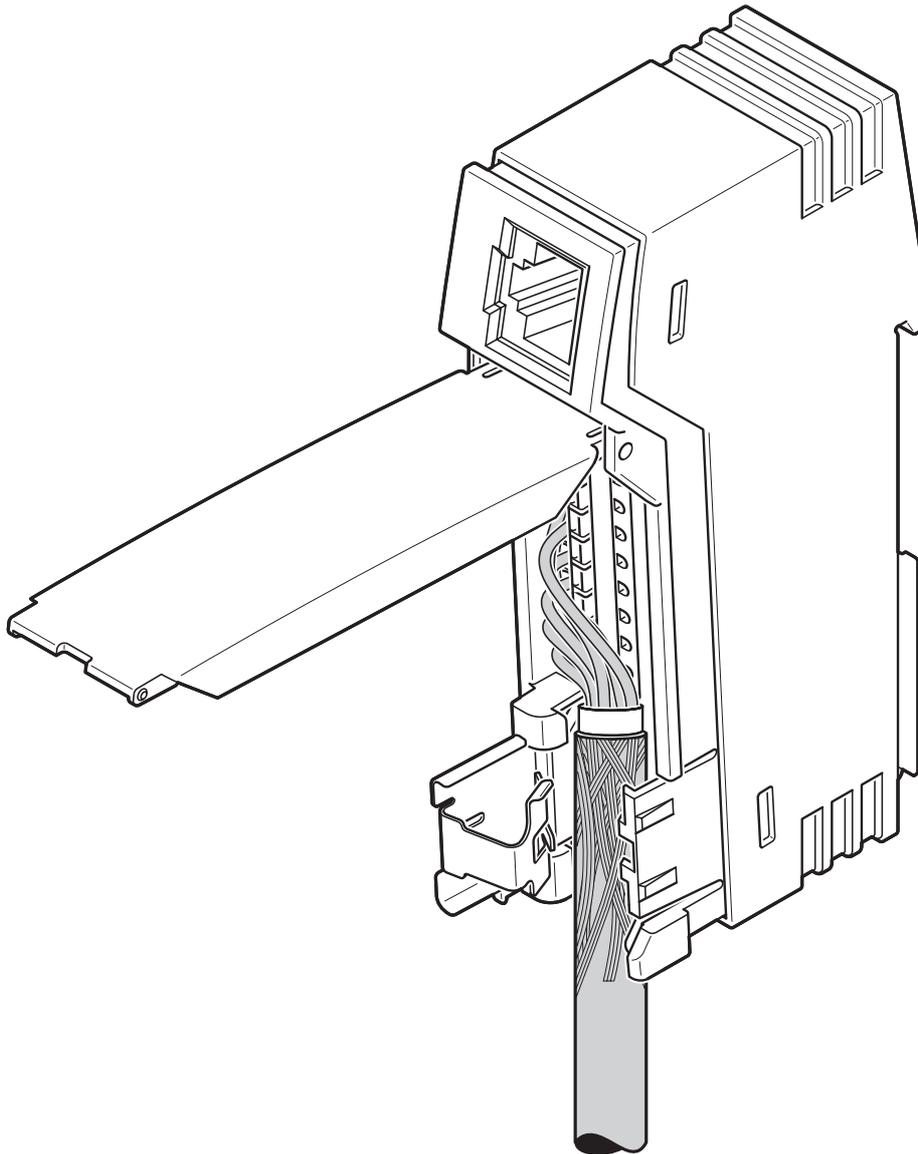
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## Schematic diagram



Inserting the cable

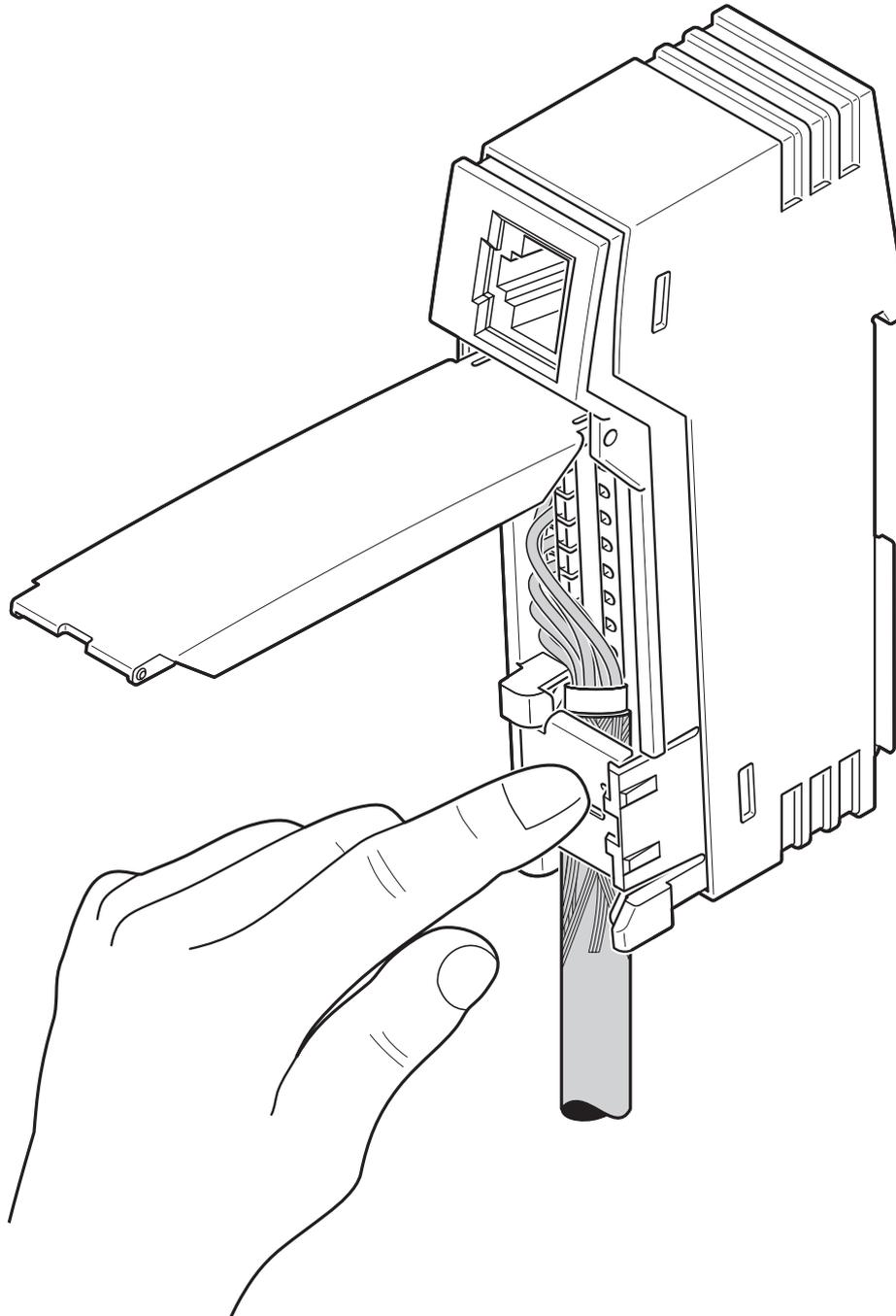
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Schematic diagram



Close shield contact spring

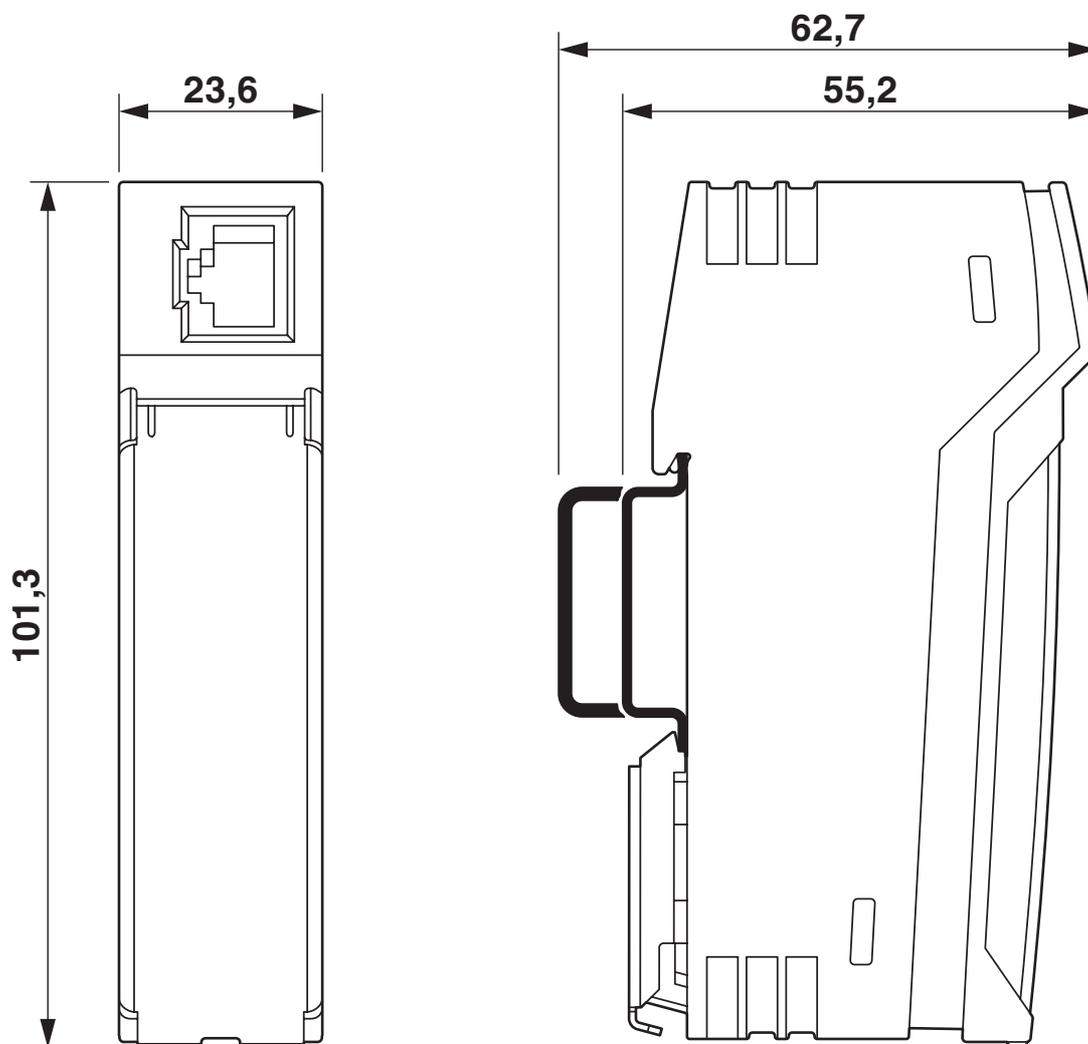
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Dimensional drawing



Compact housing