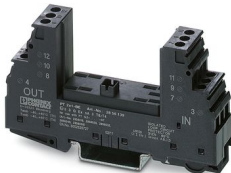


2856139

<https://www.phoenixcontact.com/us/products/2856139>

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Base element for protective plug PT with protective circuit for 2 conductors of signal circuits grounded on one side. Mounting on NS 35/7.5 und NS 35/15, housing width: 17.5 mm.

Your advantages

- Maximum ease of maintenance, thanks to the 2-piece design
- Easy selection for all possible demands in MCR applications with a complete product portfolio
- The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs

Commercial data

Item number	2856139
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2111
Catalog page	Page 134 (C-4-2019)
GTIN	4017918599263
Weight per piece (including packing)	51.13 g
Weight per piece (excluding packing)	43.969 g
Customs tariff number	85363010
Country of origin	DE

# PT 2X1-BE - Surge protection base-element



2856139

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## Technical data

### Notes

General	When the <b>PT...-BE</b> base elements are used, the connections 9/10 (GND) are directly connected to the DIN rail via the metal mounting foot.
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### Product properties

Type	DIN rail module, two-section, divisible
Product type	Base element
Product family	PLUGTRAB PT
Number of positions	2
Surge protection fault message	none

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

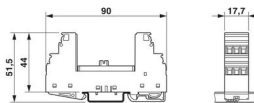
### Electrical properties

Nominal voltage $U_N$	24 V AC
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### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Dimensions

Dimensional drawing	
Width	17.7 mm
Height	90 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

### Material specifications

Color	black (RAL 9005)
	Copper
Flammability rating according to UL 94	V-0
Housing material	PA 6.6

# PT 2X1-BE - Surge protection base-element



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## Mechanical properties

### Mechanical data

Open side panel	No
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## Protective circuit

Maximum continuous voltage $U_C$	40 V DC
	28 V AC
Rated current	300 mA (45 °C)
Resistance per path	4.7 $\Omega$ $\pm$ 10 %
Surge protection fault message	none
Max. required back-up fuse	315 mA (T)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	$\leq$ 2000 m (amsl)

## Standards and regulations

Standards/specifications	IEC 61643-21
Note	2000 + corrigendum 2001 + A1:2008, modified + A2:2012
Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013

## Mounting

Mounting type	DIN rail: 35 mm
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