

# PT 1X2+F-BE/FM - Surge protection base-element



2920023

<https://www.phoenixcontact.com/us/products/2920023>

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Base element to accept a protective plug with diagnostic and status indicator for one floating double wire, integrated spark gap to provide a high-resistance connection between the ground of the protective circuit of the plug and ground potential.

## 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
- Easy integration into the control room via floating remote indication contact

## Commercial data

Item number	2920023
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2112
GTIN	4046356154017
Weight per piece (including packing)	56.88 g
Weight per piece (excluding packing)	51.119 g
Customs tariff number	85363010
Country of origin	DE

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## Technical data

### Notes

Notes on operation	In the base elements <b>PT...+F-BE/FM</b> , the connections 9/10 (GND) are linked to the mounting foot via a gas-filled surge arrester.
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### Product properties

Product type	Base element
Product family	PLUGTRAB PT
Type	Base element, DIN rail mounting
Number of positions	2
Wire pairs per module	1

### Electrical properties

#### Indicator/remote signaling

Maximum operating voltage $U_{max. AC}$	250 V AC
Max. operating current $I_{max}$	0.2 A (250 V AC)
	0.2 A (220 V DC)
	1 A (60 V AC)
	1 A (60 V DC)

### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 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	89.8 mm
Depth	52 mm
Horizontal pitch	1 Div.
Complete module width	17.7 mm
Complete module height	90 mm
Complete module depth	65.5 mm

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## Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-0

## Mechanical properties

### Mechanical data

Open side panel	No
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## Protective circuit

Direction of action	Signal Ground/Shield-Earth Ground
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	40 °C ... 85 °C

## Mounting

Mounting type	DIN rail: 35 mm
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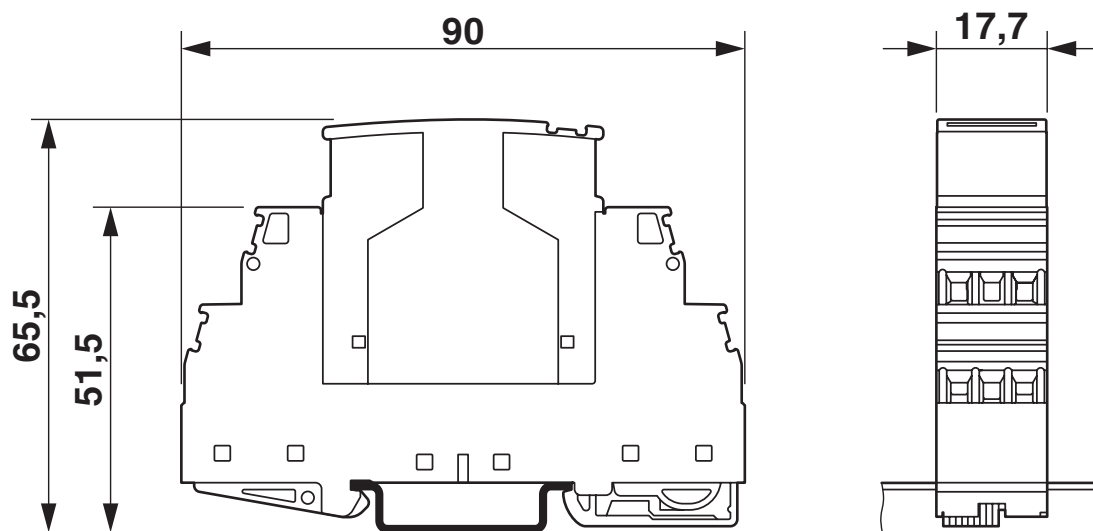
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## Drawings

Dimensional drawing



The figure shows the complete module consisting of a base element and connector

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## Classifications

### ECLASS

ECLASS-13.0

27171501

### ETIM

ETIM 9.0

EC001625

### UNSPSC

UNSPSC 21.0

39121600

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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