

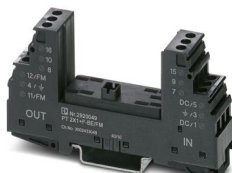
PT 2X1+F-BE/FM - Surge protection base-element



2920049

<https://www.phoenixcontact.com/gb/products/2920049>

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Base element to accept a protective plug with diagnostic and status indicator for two signal wires with common reference potential, 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	2920049
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CL2112
Product key	CL2112
Catalog page	Page 91 (TT-2011)
GTIN	4046356154086
Weight per piece (including packing)	56.96 g
Weight per piece (excluding packing)	56.82 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Notes

Notes on operation	In the base elements PT...+F-BE/FM , 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

Electrical properties

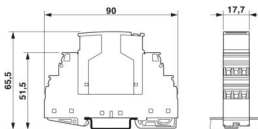
Indicator/remote signaling

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 ² ... 2.5 mm ²
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	90 mm
Depth	51.7 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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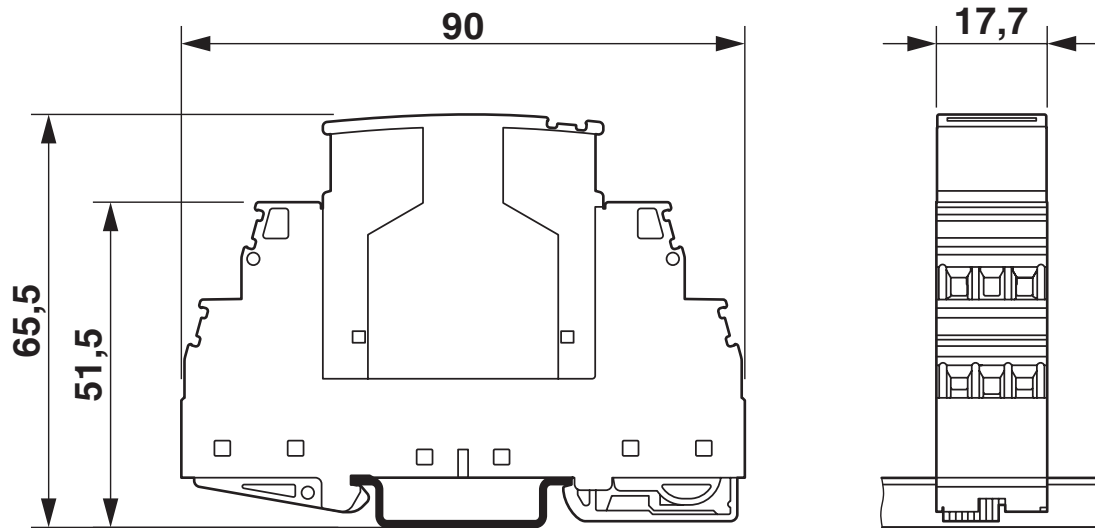
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Drawings

Dimensional drawing



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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/2920049>



EAC

Approval ID: EAC-Zulassung



DNV GL

Approval ID: TAE00001N6



EAC

Approval ID: RU C-DE.*09.B.00169



UL Listed

Approval ID: FILE E 138168

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Classifications

ECLASS

ECLASS-13.0	27171501
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ETIM

ETIM 9.0	EC000943
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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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