

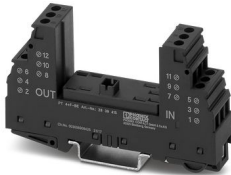
PT 4+F-BE - Surge protection base-element



2839415

<https://www.phoenixcontact.com/us/products/2839415>

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Base element for protective plug PT with protective circuit for a 4-wire floating signal circuit, gas-filled surge arrester between the connections 3-4 (GND) and 9-10, for mounting on NS 35/7.5 and NS35/15, 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	2839415
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2111
Catalog page	Page 144 (C-4-2019)
GTIN	4017918182823
Weight per piece (including packing)	59.05 g
Weight per piece (excluding packing)	50.769 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Notes

General	In the base elements PT...+F-BE , the connections 9/10 (GND) are linked to the mounting foot via a gas-filled surge arrester.
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Product properties

Type	Base element, DIN rail mounting
Product type	Base element
Product family	PLUGTRAB PT
Number of positions	4
Wire pairs per module	2

Insulation characteristics

Overvoltage category	III
Pollution degree	2

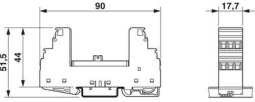
Electrical properties

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 mm² ... 2.5 mm²
Conductor cross section rigid	0.2 mm² ... 4 mm²
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

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Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Maximum continuous voltage U_C	60 V DC
	120 V AC
Rated current	150 mA DC (80 °C)
	2 A AC (80 °C)
	1.6 A DC (with PT 2X2-FF-ST)
Resistance per path	0 Ω
Surge protection fault message	none
Max. required back-up fuse	160 mA DC (T)
	2 A AC (T)
	1.6 A (FF, with PT 2X2-FF-ST)

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	≤ 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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