

Surge protection base element - PT 4-BE



2839402

<https://www.phoenixcontact.com/in/products/2839402>

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Base element for protective plug PT with protective circuit for a 4-wire floating signal circuit, bridge between the connections 3-4 (GND) and 9-10, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm



Your advantages

- Maximum ease of maintenance thanks to the two-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

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Commercial Data

Order Key	2839402
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CL2
Catalog Page	Page 139 (C-4-2019)
GTIN	4017918182816
Weight per Piece (including packing)	56.5 GRM
Weight per Piece (excluding packing)	55.9 GRM
Customs tariff number	85363010
Country of origin	DE

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Technical Data

Notes

Notes on operation	When the PT...-BE 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	Base element, DIN rail mounting
Number of positions	4
Wire pairs per module	2

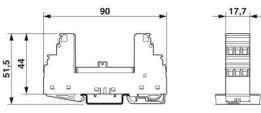
Insulation characteristics

Overvoltage category	III
Pollution degree	2

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
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	jet black RAL 9005
Flammability rating according to UL 94	V-0
Housing material	PA 6.6

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

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Maximum continuous voltage U_C	60 V DC
	120 V AC
Rated current	150 mA DC (80 °C / 60 V)
	500 mA DC (80 °C / 40 V)
	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 / 60 V)
	500 mA DC (T / 40 V)
	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	\leq 2000 m (amsl (above mean sea level))

Standards and regulations

Standards/specifications	IEC 61643-21
Standards/specifications	EN 61643-21

Mounting

Mounting type	DIN rail: 35 mm
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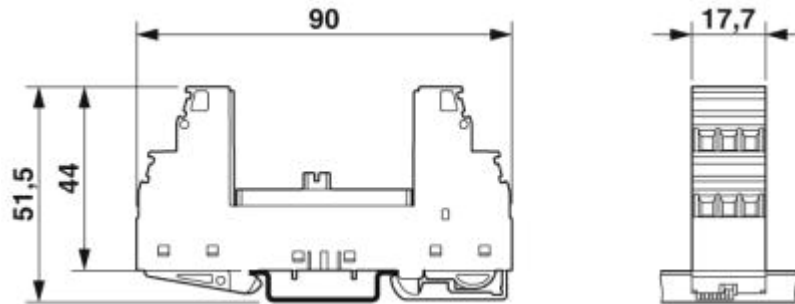
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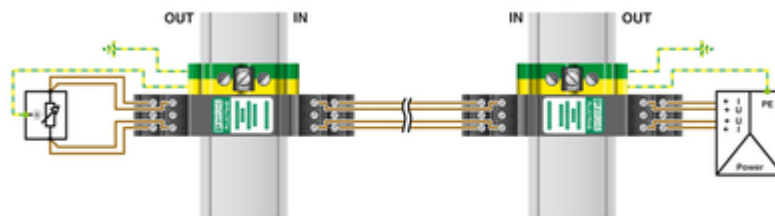
<https://www.phoenixcontact.com/in/products/2839402>

Drawings

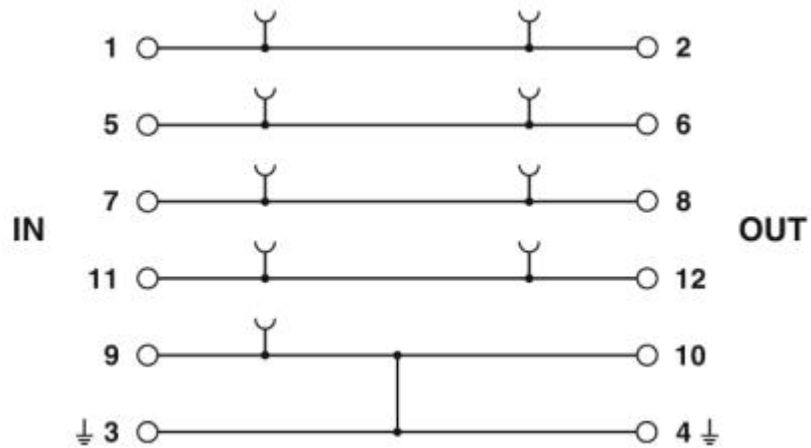
Dimensional drawing



Application drawing



Circuit diagram



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Approvals

EAC 

DNV GL 

LR 

RS 

EAC 

UL Listed 

CCC 

cUL Listed 

UL Listed 

NEPSI 

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Classifications

ECLASS

ECLASS-9.0	27130803
ECLASS-10.0.1	27130803
ECLASS-11.0	27130803

ETIM

ETIM 6.0	EC000472
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UNSPSC

UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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Accessories

Zack Marker strip, flat

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Zack marker strip

Zack marker strip - ZB 5 :UNBEDRUCKT - 1050004



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

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Zack marker strip

Zack marker strip - ZB 5,8:UNBEDRUCKT - 2715209



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.8 mm, lettering field size: 5.75 x 10.5 mm, Number of individual labels: 10

Shield connection

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

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Shield connection

Shield connection - SSA 3-6 - 2839295

Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



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