PT 4X1+F-BE - Surge protection base-element

2839376

https://www.phoenixcontact.com/us/products/2839376

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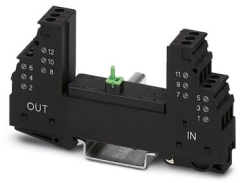


Base element for protective plug PT with protective circuit for 4 signal wires, with gas-filled surge arrester between the connections 3-4 (GND) and 9-10, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Your advantages

- Maximum ease of maintenance, thanks to the 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	2839376
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL21
Product key	CL2111
Catalog page	Page 135 (C-4-2019)
GTIN	4017918182809
Weight per piece (including packing)	57.89 g
Weight per piece (excluding packing)	51.529 g
Customs tariff number	85363010
Country of origin	DE

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.

Product properties

Product type	Base element
Product family	PLUGTRAB PT
Type	Base element, DIN rail mounting
Number of positions	4
Surge protection fault message	none

Insulation characteristics

Overvoltage category	III
Pollution degree	2

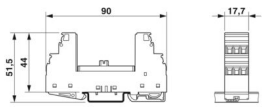
Electrical properties

Nominal voltage U_N	48 V AC

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

Mechanical properties

Mechanical data

Open side panel	No

Protective circuit

Direction of action	Signal Ground/Shield-Earth Ground
Maximum continuous voltage U_C	77 V DC
	55 V AC
Rated current	300 mA (45 °C)
Resistance per path	4.7 Ω 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	≤ 2000 m (amsl)

Standards and regulations

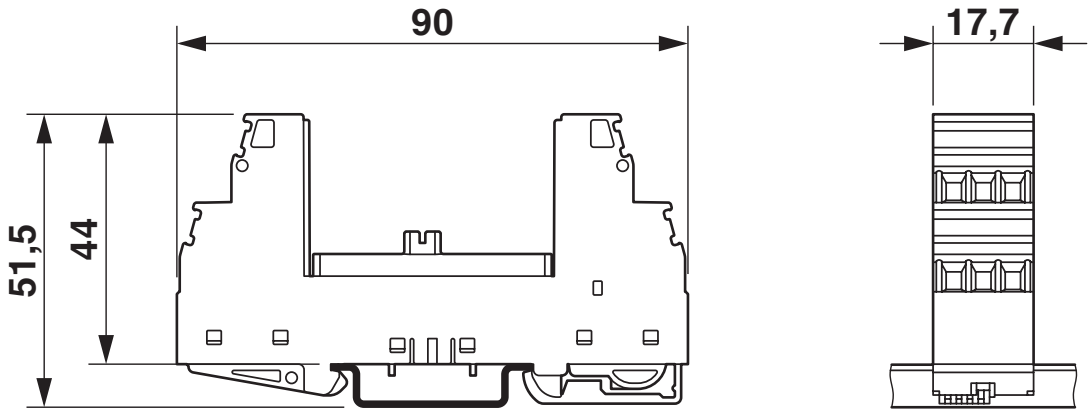
Standards/specifications	IEC 61643-21
Note	2000 + corrigendum 2001 + A1:2008, modified + A2:2012
Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013

Mounting

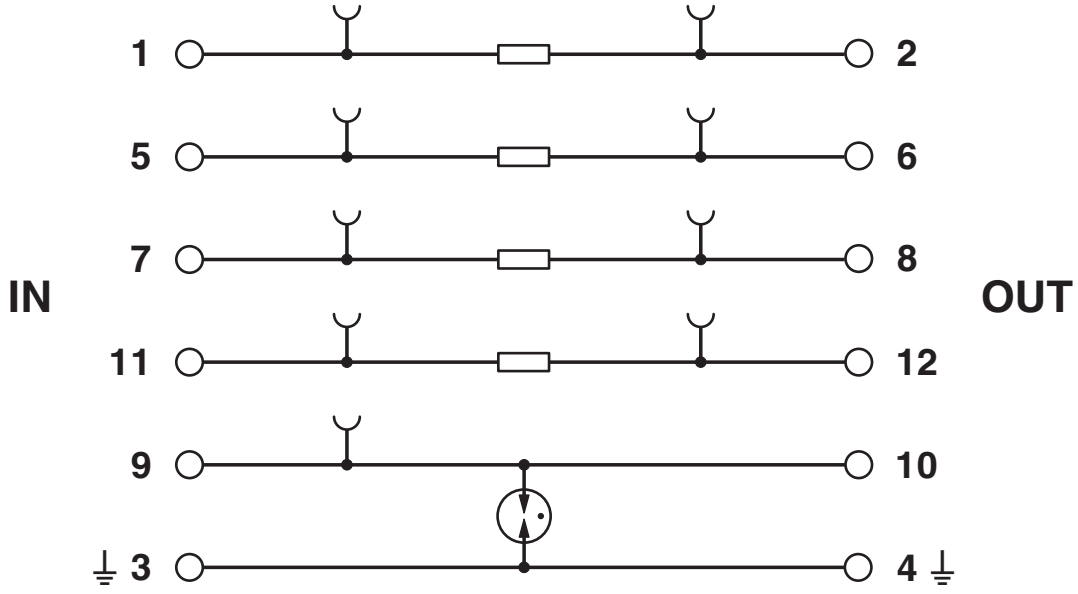
Mounting type	DIN rail: 35 mm

Drawings

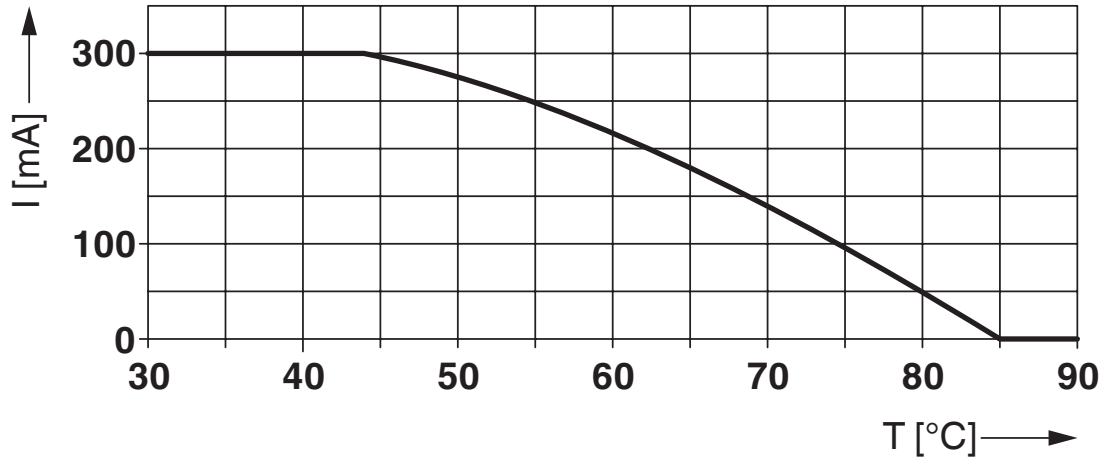
Dimensional drawing



Circuit diagram



Diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2839376

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

cUL Listed
Approval ID: FILE E 333250

UL Listed
Approval ID: FILE E 333250

cULus Listed

Classifications

ECLASS

ECLASS-11.0	27130803
ECLASS-13.0	27171592

ETIM

ETIM 9.0	EC002497

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

Accessories

SSA 5-10 - Shield connection

2839512

https://www.phoenixcontact.com/us/products/2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm^2, color: black

SSA 3-6 - Shield connection

2839295

https://www.phoenixcontact.com/us/products/2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm^2, color: black

ZB 5 :UNBEDRUCKT - Zack marker strip

1050004

https://www.phoenixcontact.com/us/products/1050004



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

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

https://www.phoenixcontact.com/us/products/0808642

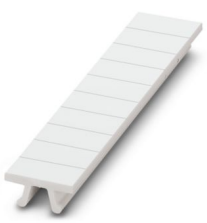


Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

ZB 5,8:UNBEDRUCKT - Zack marker strip

2715209

https://www.phoenixcontact.com/us/products/2715209

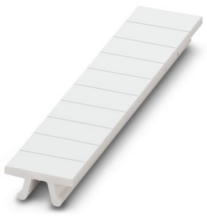


Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.8 mm, lettering field size: 5.75 x 10.5 mm, Number of individual labels: 10

ZB 5,8 CUS - Zack marker strip

0824965

https://www.phoenixcontact.com/us/products/0824965



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, 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

PT 4X1- 5DC-ST - Surge protection plug

2838306

https://www.phoenixcontact.com/us/products/2838306



Protective plug PT with protective circuit for 4 conductors of signal circuits grounded on one side. Nominal voltage: 5 V DC

PT 4X1-12AC-ST - Surge protection plug

2838348

https://www.phoenixcontact.com/us/products/2838348



Protective plug PT with protective circuit for 4 conductors of signal circuits grounded on one side. Nominal voltage: 12 V AC

PT 4X1-12DC-ST - Surge protection plug

2838319

https://www.phoenixcontact.com/us/products/2838319



Protective plug PT with protective circuit for 4 conductors of signal circuits grounded on one side. Nominal voltage: 12 V DC

PT 4X1-24AC-ST - Surge protection plug

2838351

https://www.phoenixcontact.com/us/products/2838351



Protective plug PT with protective circuit for 4 conductors of signal circuits grounded on one side. Nominal voltage: 24 V AC

PT 4X1-24DC-ST - Surge protection plug

2838322

https://www.phoenixcontact.com/us/products/2838322



Protective plug PT with protective circuit for 4 conductors of signal circuits grounded on one side. Nominal voltage: 24 V DC

PT 4X1-48DC-ST - Surge protection plug

2858014

https://www.phoenixcontact.com/us/products/2858014



Surge protection plug for the base element, common mode voltage coarse and fine protection for four lines with a common reference potential. Design: 48 V DC

X-PEN 0,35 - Marker pen

0811228

https://www.phoenixcontact.com/us/products/0811228



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

B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993



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

SZS 0,6X3,5 VDE - Screwdriver

1212602

https://www.phoenixcontact.com/us/products/1212602



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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