

PT-BE/FM - Type 3 surge protection base element



2839282

<https://www.phoenixcontact.com/in/products/2839282>

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Base element for protective plug PT, 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
- Easy integration into the control room via floating remote indication contact

Commercial Data

Item number	2839282
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CL1
Product Key	CL1411
Catalog Page	Page 138 (C-4-2019)
GTIN	4017918182502
Weight per Piece (including packing)	48.703 g
Weight per Piece (excluding packing)	45.91 g
Customs tariff number	85363010
Country of origin	DE

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2839282

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Technical Data

Product properties

IEC power supply system	TN-S TT
Type	Base element, DIN rail mounting
Product type	Base element
Number of positions	3
Surge protection fault message	Remote indication contact

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III T3
EN type	T3
Number of ports	One

Electrical properties

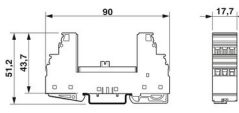
Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	N/C contact

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	17.7 mm
Height	90 mm
Depth	51.2 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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2839282

<https://www.phoenixcontact.com/in/products/2839282>

Material specifications

Color	jet black RAL 9005
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6-FR
Material group	I
Housing material	PA 6.6-FR

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Nominal voltage U_N	230 V AC (TN-S)
	230 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	264 V AC
Rated load current I_L	26 A (30 °C)
Short-circuit current rating I_{SCCR}	1.5 kA AC
Max. backup fuse with branch wiring	depends on the plug used

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z)

Standards and regulations

Standards/specifications	IEC 61643-11
Standards/specifications	EN 61643-11

Mounting

Mounting type	DIN rail: 35 mm
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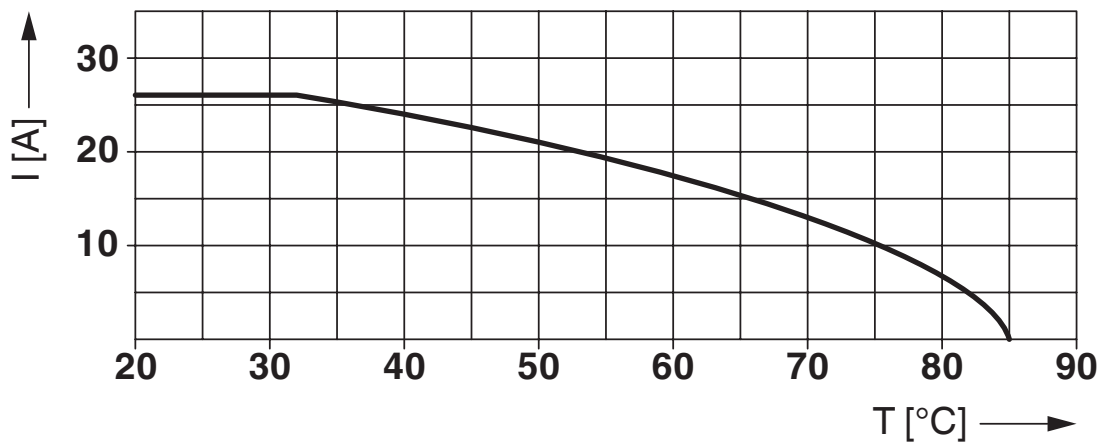
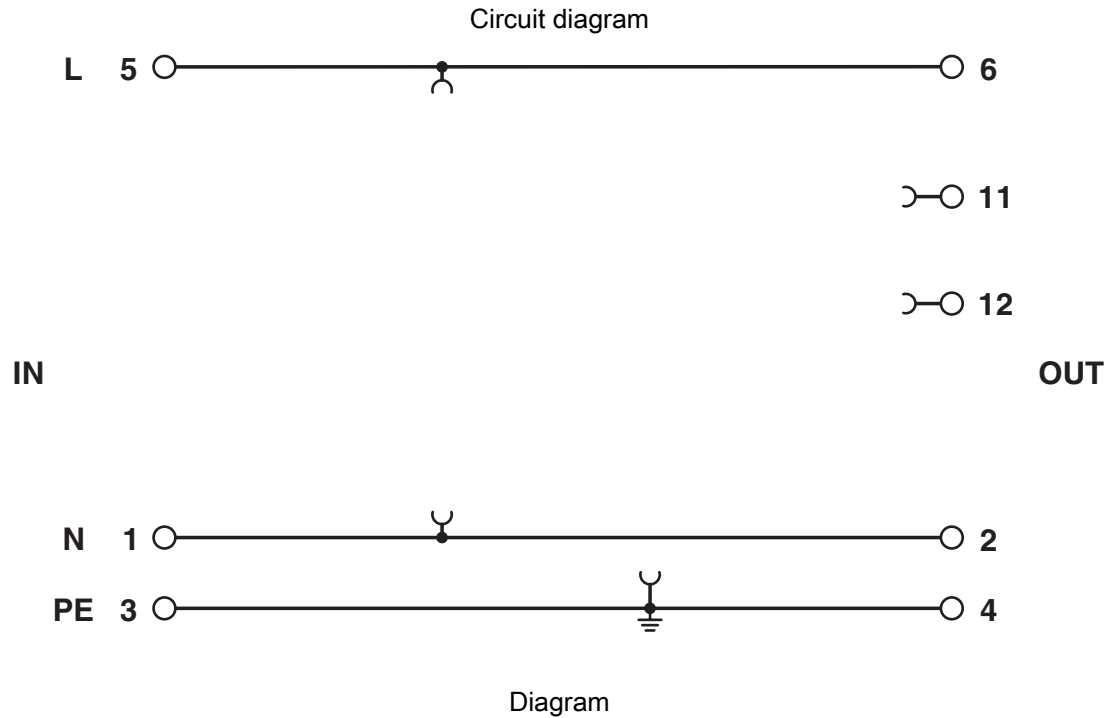
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Drawings



Nominal current depending on ambient temperature

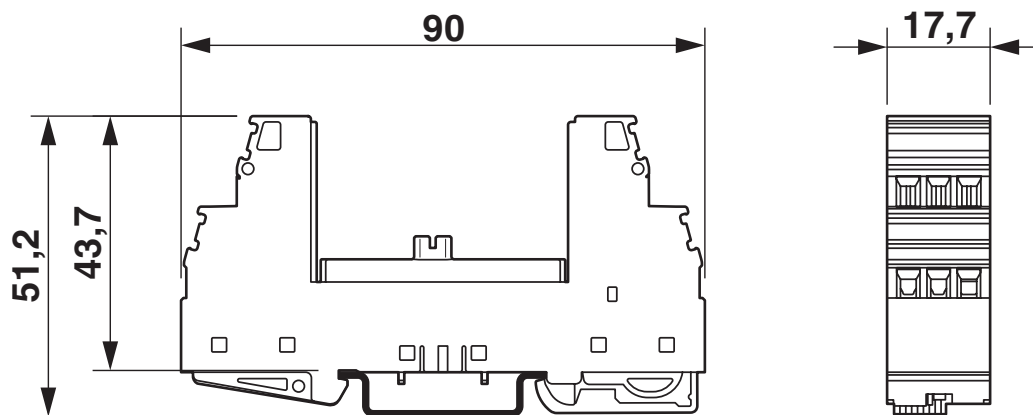
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Dimensional drawing



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Approvals



UL Recognized

Approval ID: FILE E 330181



EAC

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

PT-BE/FM - Type 3 surge protection base element



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Classifications

ECLASS

ECLASS-11.0

27130803

ETIM

ETIM 8.0

EC000472

UNSPSC

UNSPSC 21.0

39121600

PT-BE/FM - Type 3 surge protection base element



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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

PT-BE/FM - Type 3 surge protection base element



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Accessories

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

<https://www.phoenixcontact.com/in/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 :UNBEDRUCKT - Zack marker strip

1050004

<https://www.phoenixcontact.com/in/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

PT-BE/FM - Type 3 surge protection base element

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ZB 5,LGS:FORTL.ZAHLEN - Zack marker strip

1050017

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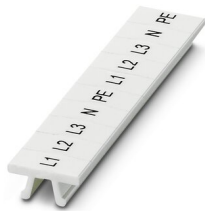


Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

ZB 5,LGS:L1-N,PE - Zack marker strip

1050415

<https://www.phoenixcontact.com/in/products/1050415>



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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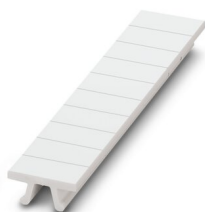
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ZB 5,8:UNBEDRUCKT - Zack marker strip

2715209

<https://www.phoenixcontact.com/in/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

SSA 3-6 - Shield connection

2839295

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



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SSA 5-10 - Shield connection

2839512

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

PT 2X1-VF-230AC-ST - Surge protection plug

2921365

<https://www.phoenixcontact.com/in/products/2921365>



Protective connector with protective circuit free of leakage current for two floating signals. Connection in series, consisting of varistor and gas-filled surge arrester between signal wires and ground.

PT-BE/FM - Type 3 surge protection base element

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PT 2X1VA- 60AC-ST - Surge protection plug

2839172

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Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error display. Nominal voltage: 60 V AC

PT 2X1VA-120AC-ST - Surge protection plug

2839185

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Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error warning. Nominal voltage: 120 V AC

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PT 2X1VA-230AC-ST - Surge protection plug

2839198

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Protective plug PT with protective circuit for higher signal voltages, 2-channel, visual error warning. Nominal voltage: 230 V AC

PT 2-F-ST - Surge protection plug

2859000

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Surge protection plug for the base element, surge voltage coarse protection for two signal lines grounded on one side.

PT-BE/FM - Type 3 surge protection base element

2839282

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PLT-T3-IT-230-P - Type 3 surge protection plug

2906451

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Replacement plug for device protection in IT systems from the PLUGTRAB product series. 230 V nominal voltage.

PT 2+1-S-48DC-ST - Type 3 surge protection plug

2839648

<https://www.phoenixcontact.com/in/products/2839648>



Protective plug PT with device surge protection for power supply units, visual error display. Nominal voltage: 48 V AC

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