

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

- ✓ Plugs can be checked with CHECKMASTER
- ✓ Maximum ease of maintenance thanks to the two-piece design
- ✓ Base element remains an integral part of the installation
- ✓ Consistent plug-in signal circuit protection
- ✓ Protective devices for use in telecommunications and signaling networks according to IEC 61643-21
- ✓ Impedance-neutral disconnection of plug for test and maintenance purposes

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918182502
Weight per Piece (excluding packing)	50.000 g
Custom tariff number	85363010
Country of origin	Germany

### Technical data

#### Dimensions

Height	90 mm
Width	17.7 mm
Depth	51.2 mm
Horizontal pitch	1 Div.

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### Technical data

#### Dimensions

Complete module height	90 mm
Complete module width	17.7 mm
Complete module depth	65.5 mm

#### 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)

#### General

EN type	T3
Number of ports	One
Mounting type	DIN rail: 35 mm
Color	jet black RAL 9005
Housing material	PA 6.6-FR
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Base element, DIN rail mounting
Number of positions	3
Surge protection fault message	Remote indication contact

#### 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
Maximum backup fuse for through wiring	25 A (gG / B / C)

#### Indicator/remote signaling

Switching function	N/C contact
Connection method	Screw connection
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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## Technical data

### Indicator/remote signaling

Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm

### Connection data

Connection method	Screw connection
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm

### UL specifications

SPD Type	ACC
Nominal voltage	240 V DC
Rated load current I <sub>L</sub>	20 A
Power distribution system	Split phase
Nominal frequency	50/60 Hz

### UL indicator/remote signaling

Tightening torque	5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in.
Conductor cross section AWG	14 ... 12

### UL connection data

Conductor cross section AWG	14 ... 12
Tightening torque	5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in.

### Standards and Regulations

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012

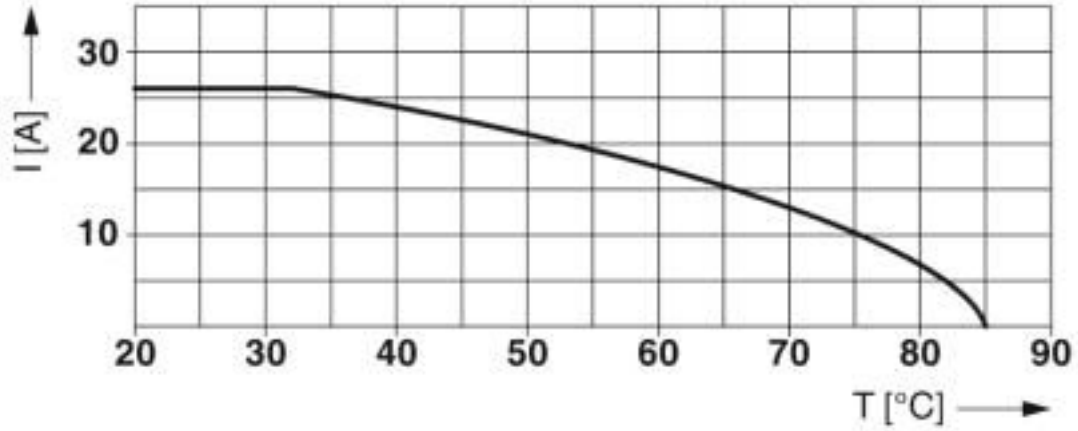
### Environmental Product Compliance

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

## Drawings

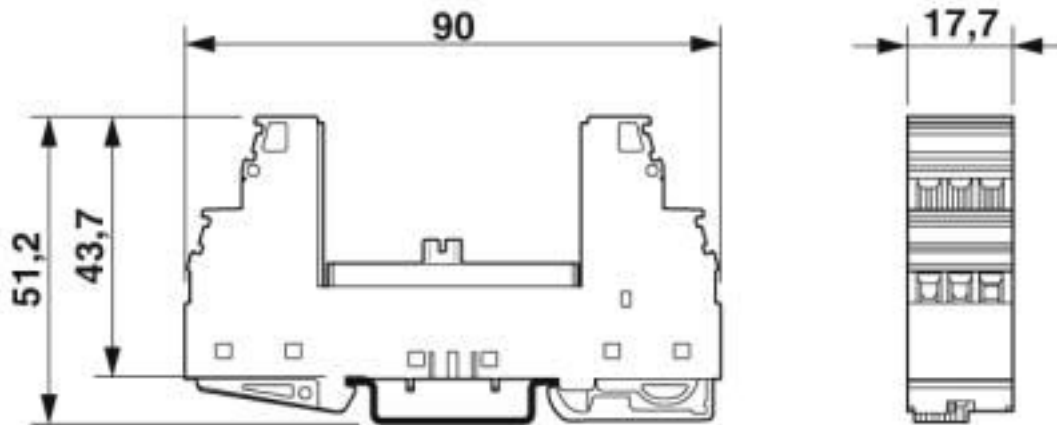
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Diagram

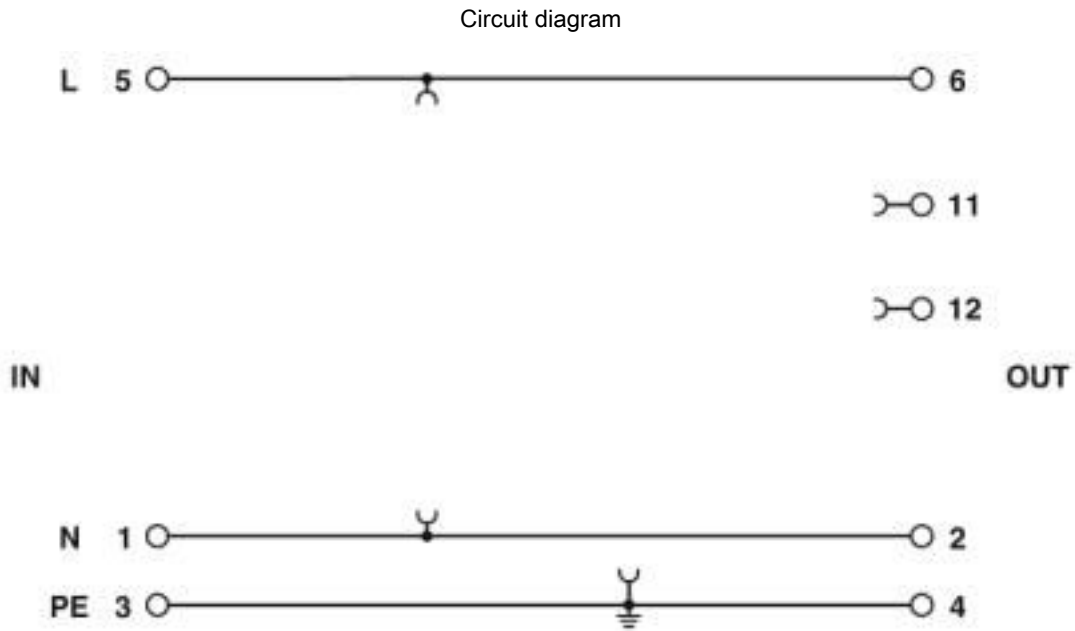


Nominal current depending on ambient temperature

Dimensional drawing



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### Classifications

#### eCl@ss

eCl@ss 10.0.1	27130803
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130803
eCl@ss 8.0	27130803
eCl@ss 9.0	27130803

#### ETIM

ETIM 2.0	EC000472
ETIM 3.0	EC000472
ETIM 4.0	EC000472
ETIM 5.0	EC000472
ETIM 6.0	EC000472
ETIM 7.0	EC000472

#### UNSPSC

UNSPSC 6.01	30212010
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## Classifications

### UNSPSC

UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
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EAC			RU C- DE.A*30.B01561
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cULus Recognized			
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## Type 3 surge protection base element - PT-BE/FM - 2839282

### Accessories

#### Accessories

##### Labeled terminal marker

Zack marker strip - ZB 5,LGS:FORTL.ZAHLEN - 1050017



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

Zack marker strip - ZB 5,LGS:L1-N,PE - 1050415



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

##### Shield connection

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black

##### Terminal marking

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### Accessories

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

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

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

### Additional products

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

Surge protection plug - PT 2X1VA- 60AC-ST - 2839172



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



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### Accessories

Surge protection plug - PT 2X1VA-120AC-ST - 2839185



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

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Surge protection plug - PT 2X1VA-230AC-ST - 2839198



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

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Surge protection plug - PT 2-F-ST - 2859000



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

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Type 3 surge protection plug - PLT-T3-IT-230-P - 2906451



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

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Type 3 surge protection plug - PT 2+1-S-48DC-ST - 2839648



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

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