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

2839282

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

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 2839282 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL01 |
| Product key | CL1411 |
| GTIN | 4017918182502 |
| Weight per piece (including packing) | 48.7 g |
| Weight per piece (excluding packing) | 45.91 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Base element |
| Product family | PLUGTRAB PT |
| IEC power supply system | TN-S |
| | TT |
| Type | Base element, DIN rail mounting |
| 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

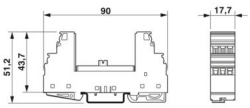
Indicator/remote signaling

| | |
|---|---|
| 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 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 | 51.2 mm |
| Horizontal pitch | 1 HP |
| Complete module width | 17.7 mm |
| Complete module height | 90 mm |

| | |
|---|---|
| Complete module depth | 65.5 mm |

## Material specifications

| | |
|---|---|
| Color | 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 |

## 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 operating 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 |
| Maximum backup fuse for through wiring | 25 A (gG / B / C) |
| 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) |
| Permissible humidity (operation) | 5 % ... 95 % |
| Shock (operation) | 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (10 Hz ... 150 Hz / 20 cycles/axis / X, Y, Z) |

## Standards and regulations

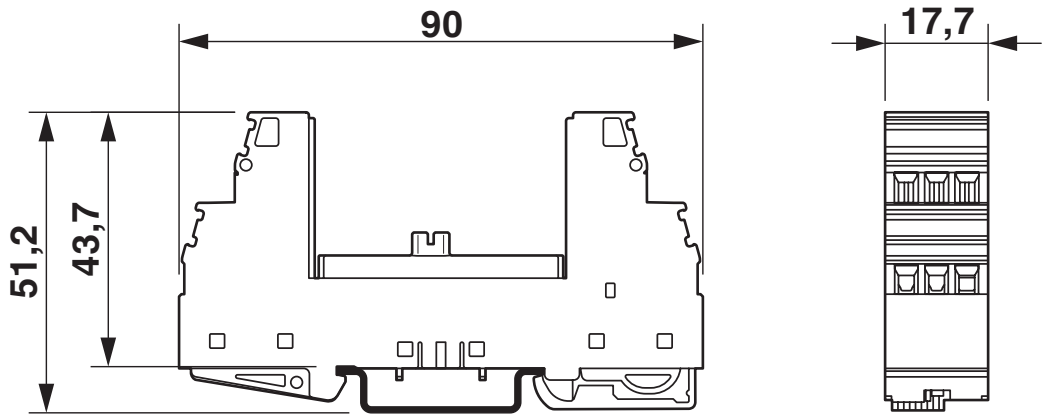
| | |
|---|---|
| Standards/specifications | IEC 61643-11 |
| Note | 2011 |
| Standards/specifications | EN 61643-11 |
| Note | 2012 |

## Mounting

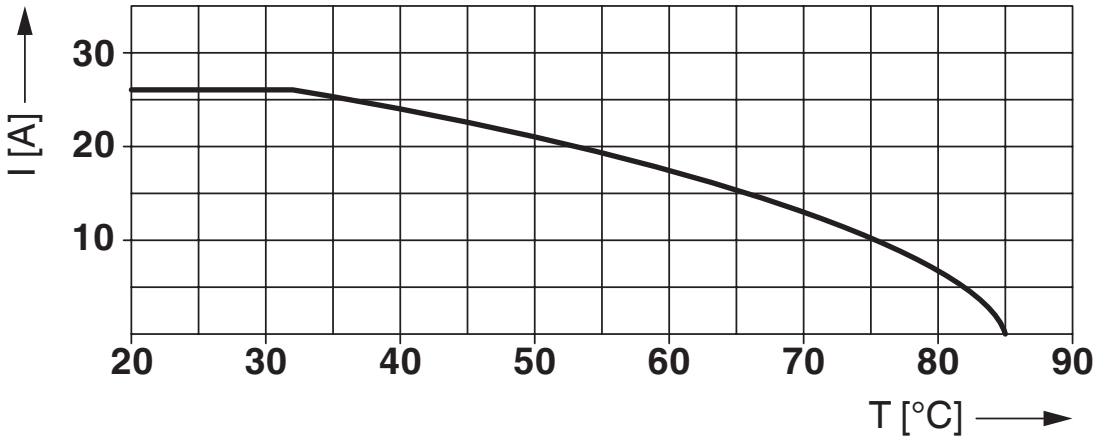
| | |
|---|---|
| Mounting type | DIN rail: 35 mm |

## Drawings

Dimensional drawing

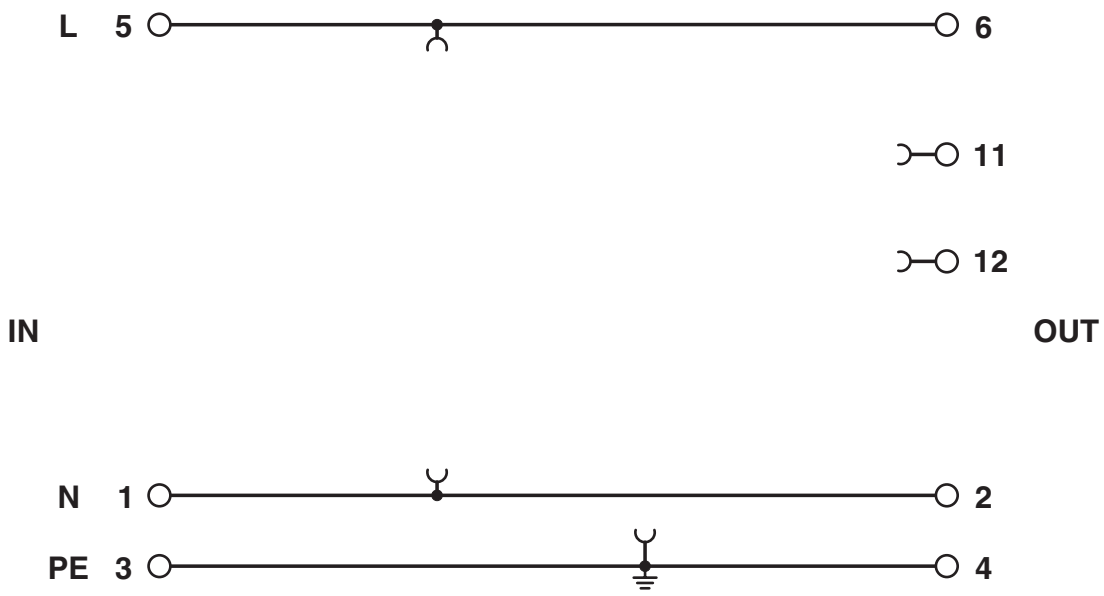



Diagram




Nominal current depending on ambient temperature

Circuit diagram



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27171501 |
| ECLASS-15.0 | 27171501 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001466 |

### 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% |

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