

PT 1X2+F-BE/FM - Surge protection base-element



2920023

<https://www.phoenixcontact.com/us/products/2920023>

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Base element to accept a protective plug with diagnostic and status indicator for one floating double wire, integrated spark gap to provide a high-resistance connection between the ground of the protective circuit of the plug and ground potential.

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 | 2920023 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | CL21 |
| Product key | CL2112 |
| GTIN | 4046356154017 |
| Weight per piece (including packing) | 56.88 g |
| Weight per piece (excluding packing) | 51.119 g |
| Customs tariff number | 85363010 |
| Country of origin | DE |

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Technical data

Notes

| | |
|--------------------|---|
| Notes on operation | In the base elements PT...+F-BE/FM , 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 | 2 |
| Wire pairs per module | 1 |

Electrical properties

Indicator/remote signaling

| | |
|---|------------------|
| Maximum operating voltage $U_{max. AC}$ | 250 V AC |
| Max. operating current I_{max} | 0.2 A (250 V AC) |
| | 0.2 A (220 V DC) |
| | 1 A (60 V AC) |
| | 1 A (60 V DC) |

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 | 89.8 mm |
| Depth | 52 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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Material specifications

| | |
|--|------------------|
| Color | black (RAL 9005) |
| Flammability rating according to UL 94 | V-0 |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Protective circuit

| | |
|---------------------|-----------------------------------|
| Direction of action | Signal Ground/Shield-Earth Ground |
|---------------------|-----------------------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|-----------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 40 °C ... 85 °C |

Mounting

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

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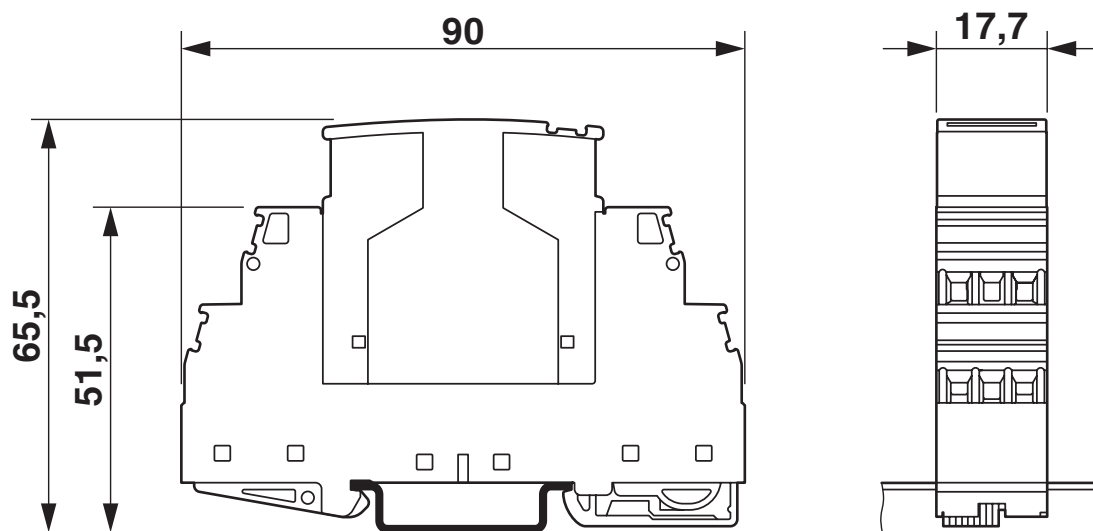
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Drawings

Dimensional drawing



The figure shows the complete module consisting of a base element and connector

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Classifications

ECLASS

ECLASS-13.0

27171501

ETIM

ETIM 9.0

EC001625

UNSPSC

UNSPSC 21.0

39121600

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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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