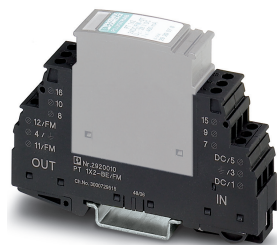


## Surge protection base element - PT 1X2+F-BE/FM - 2920023

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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 two-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



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 10 pc   |
| GTIN         | <br>4 046356 154017 |
| GTIN         | 4046356154017   |

### Technical data

#### Note

|                         |   |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

#### Dimensions

|                        |         |
|------------------------|---------|
| Height                 | 89.8 mm |
| Width                  | 17.7 mm |
| Depth                  | 52 mm   |
| Horizontal pitch       | 1 Div.  |
| Complete module height | 90 mm   |
| Complete module width  | 17.7 mm |
| Complete module depth  | 65.5 mm |

#### Ambient conditions

# Surge protection base element - PT 1X2+F-BE/FM - 2920023

## Technical data

### Ambient conditions

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

### General

|  |                                   |
|--|-----------------------------------|
| Flammability rating according to UL 94 | V-0                               |
| Color                                  | black                             |
| Mounting type                          | DIN rail: 35 mm                   |
| Type                                   | Base element, DIN rail mounting   |
| Number of positions                    | 2                                 |
| Direction of action                    | Signal Ground/Shield-Earth Ground |

### Connection data

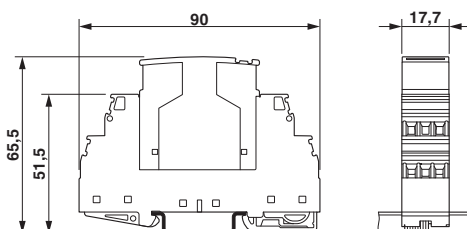
|                                  |   |
|----------------------------------|---|
| Connection method                | Screw connection                            |
| Connection method IN             | Screw terminal blocks                       |
| Connection method OUT            | Screw terminal blocks                       |
| Screw thread                     | M3  |
| Tightening torque                | 0.8 Nm                                      |
| Stripping length                 | 8 mm  |
| 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                                   |

### 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

Dimensional drawing



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

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27130803 |
|---------------|----------|

# Surge protection base element - PT 1X2+F-BE/FM - 2920023

## Classifications

### eCl@ss

|             |          |
|-------------|----------|
| eCl@ss 11.0 | 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 9.0  | 27130803 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000472 |
| ETIM 3.0 | EC000472 |
| ETIM 4.0 | EC000472 |
| ETIM 6.0 | EC000472 |
| ETIM 7.0 | EC000472 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30212010 |
| 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

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Approvals

DNV GL / UL Listed / EAC / EAC

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Ex Approvals

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### Approval details

# Surge protection base element - PT 1X2+F-BE/FM - 2920023

## Approvals

|        |  |   |            |
|--------|--|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00001N6 |
|--------|--|---|------------|

|           |  |   |               |
|-----------|--|---|---------------|
| UL Listed |  | <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 138168 |
|-----------|--|---|---------------|

|     |  |  |               |
|-----|--|--|---------------|
| EAC |  |  | EAC-Zulassung |
|-----|--|--|---------------|

|     |  |  |                         |
|-----|--|--|-------------------------|
| EAC |  |  | RU C-<br>DE.*09.B.00169 |
|-----|--|--|-------------------------|

## 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

#### Marker pen

Marker pen - X-PEN 0,35 - 0811228



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

## Surge protection base element - PT 1X2+F-BE/FM - 2920023

### Accessories

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Marker pen - B-STIFT - 1051993



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

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### Terminal marking

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

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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

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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

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### Additional products

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

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## Surge protection base element - PT 1X2+F-BE/FM - 2920023

### Accessories

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

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