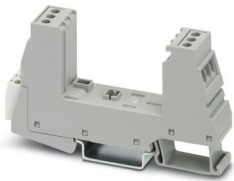


PLT-SEC-T3-BE-FM-UT - Type 3 surge protection  
base element



2907924  
<https://www.phoenixcontact.com/gb/products/2907924>

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Base element for protective plugs from the PLT-SEC-...-UT/PT product series with remote indication contact.



Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2907924       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | CL14A2        |
| Product key                          | CL14A2        |
| GTIN                                 | 4055626257709 |
| Weight per piece (including packing) | 52.15 g       |
| Weight per piece (excluding packing) | 48 g          |
| Customs tariff number                | 85363030      |
| Country of origin                    | DE            |

# PLT-SEC-T3-BE-FM-UT - Type 3 surge protection base element



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## Technical data

### Product properties

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Product type                   | Base element                            |
| Product family                 | SEC Family                              |
| IEC power supply system        | TN-S                                    |
|                                | TT                                      |
| Type                           | DIN rail module, two-section, divisible |
| Number of positions            | 2                                       |
| Surge protection fault message | Remote indication contact               |

### Insulation characteristics

|                         |          |
|-------------------------|----------|
| Overvoltage category    | III      |
| Pollution degree        | 2        |
| IEC test classification | II / III |
|                         | T2 / T3  |
| EN type                 | T2 / T3  |
| Number of ports         | One      |

### Electrical properties

#### Indicator/remote signaling

|                    |                                |
|--------------------|--------------------------------|
| Connection name    | Remote fault indicator contact |
| Switching function | Changeover contact             |
| Operating voltage  | 250 V AC                       |
|                    | 125 V DC (200 mA DC)           |
| Operating current  | 0.5 A AC                       |
|                    | 0.5 A DC (75 V DC)             |

### Connection data

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection method                | Screw connection                            |
| Screw thread                     | M3                                          |
| Tightening torque                | 0.5 Nm                                      |
| Conductor cross-section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross-section rigid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross-section AWG      | 24 ... 12                                   |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
|---------------------|--|

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|                  |                                 |
|------------------|---------------------------------|
| Width            | 17.7 mm                         |
| Height           | 93.4 mm                         |
| Depth            | 51.5 mm (incl. DIN rail 7.5 mm) |
| Horizontal pitch | 1 Div.                          |

## Material specifications

|                                        |                                |
|----------------------------------------|--------------------------------|
| Color (Male connector)                 | light gray (RAL 7035)          |
| Color (Base element)                   | gray (RAL 7042)                |
| Flammability rating according to UL 94 | V-0                            |
| CTI value of material                  | 600                            |
| Insulating material                    | PA 6.6-FR 20 % GF<br>PA 6.6-FR |
| Housing material                       | PA 6.6-FR 20 % GF<br>PA 6.6-FR |

## Mechanical properties

### Mechanical data

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

## Protective circuit

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| Direction of action                        | 1L-N & N-PE                      |
| Nominal voltage $U_N$                      | 240 V AC (TN-S)<br>240 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 (at 30 °C)                  |
| Short-circuit current rating $I_{SCCR}$    | 10 kA AC                         |
| Maximum backup fuse for through wiring     | 25 A (gG / B / C)                |
| Max. backup fuse with branch wiring        | depends on the plug used         |

### Additional technical data

|                                            |                                         |
|--------------------------------------------|-----------------------------------------|
| Short-circuit current rating $I_{SCCR}$    | max. 5 kA DC (depends on the plug used) |
| Maximum continuous operating voltage $U_C$ | 240 V DC                                |

## 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) |

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|                       |                                     |
|-----------------------|-------------------------------------|
| Vibration (operation) | 5g (5 ... 500 Hz / 2.5 h / X, Y, Z) |
|-----------------------|-------------------------------------|

## Approvals

### UL specifications

|                           |              |
|---------------------------|--------------|
| Nominal voltage           | 240 V DC     |
| Rated load current $I_L$  | 20 A         |
| Power distribution system | Single phase |
|                           | DC           |
| Nominal frequency         | 50/60 Hz     |
| SPD Type                  | ACC          |

### UL indicator/remote signaling

|                      |                  |
|----------------------|------------------|
| Operating voltage    | 250 V AC (0.5 A) |
| DC operating voltage | 12 V DC (4 A)    |
|                      | 24 V DC (2 A)    |
|                      | 48 V DC (1 A)    |

### UL connection data

|                             |                          |
|-----------------------------|--------------------------|
| Tightening torque           | 4.4 lb <sub>f</sub> -in. |
| Conductor cross-section AWG | 16 ... 12                |

## Standards and regulations

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

### EN 61643-11

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

## Mounting

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

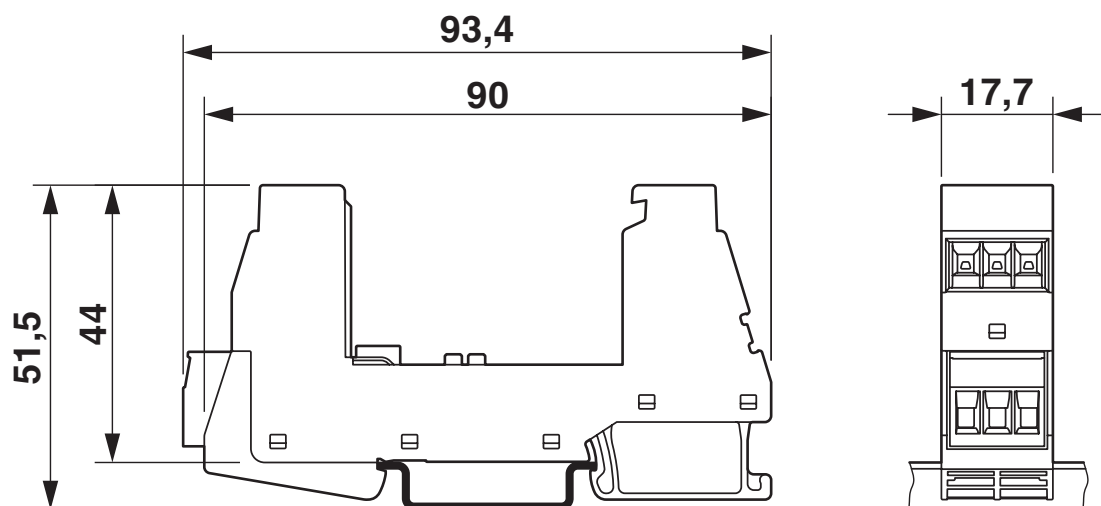
# PLT-SEC-T3-BE-FM-UT - Type 3 surge protection base element

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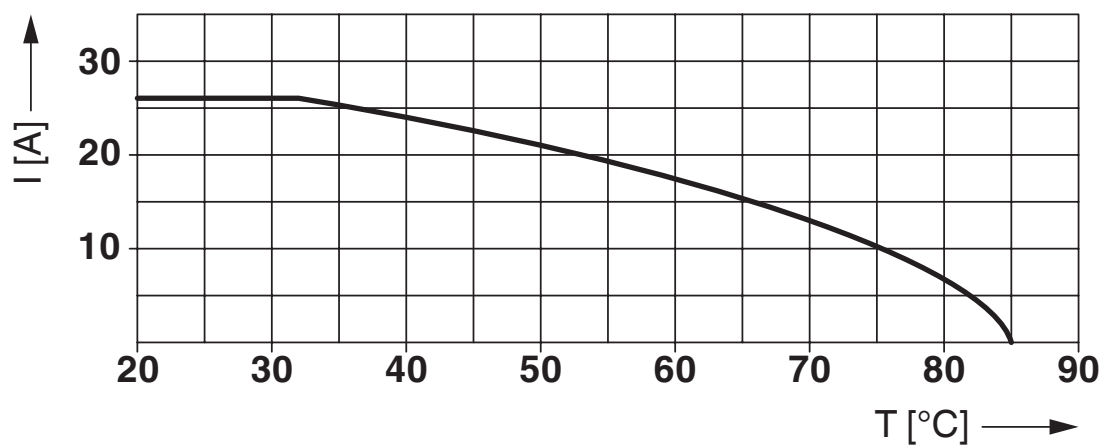
<https://www.phoenixcontact.com/gb/products/2907924>

## Drawings

Dimensional drawing



Diagram



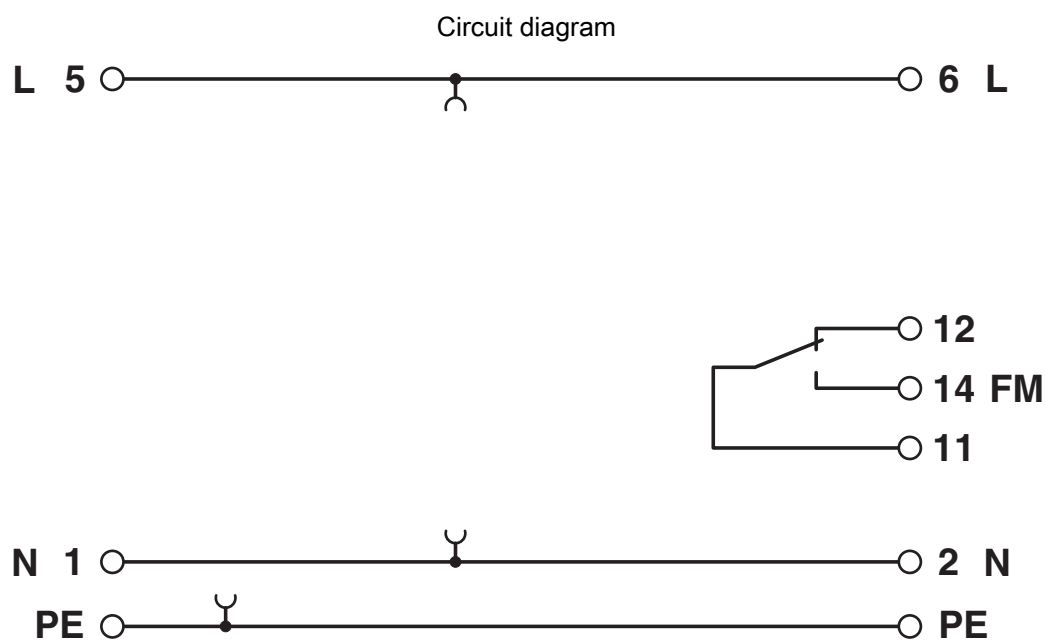
Nominal current depending on ambient temperature

# PLT-SEC-T3-BE-FM-UT - Type 3 surge protection base element



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## Approvals

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**cUL Recognized**  
Approval ID: FILE E 330181



**UL Recognized**  
Approval ID: FILE E 330181



**IECEE CB Scheme**  
Approval ID: NL-51083

**CCA**

Approval ID: NTR-NL 7676



**KEMA-KEUR**  
Approval ID: 71-103027



**CSA**  
Approval ID: 13631

**UAE-RoHS**

Approval ID: 23-10-88891

**DNV**

Approval ID: TAE00002U7



**cUL Recognized**  
Approval ID: FILE E 340736



**UL Recognized**  
Approval ID: FILE E 340736

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27171292 |
| ECLASS-15.0 | 27171292 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002496 |
|-----------|----------|

### 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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