

# PT-IQ-3-BE-UT - Surge protection base-element

2910419

<https://www.phoenixcontact.com/us/products/2910419>

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Base element for PLUGTRAB PT-IQ protective plug (3-HF, 2X1,1X2)



## Product description

DIN rail connector not included with delivery of PT-IQ basic element (PT-IQ-17,5-TBUS-5-2.0). Required DIN rail connectors must be ordered separately.

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2910419                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | CL2151                         |
| GTIN                                 | 4055626461564                  |
| Weight per piece (including packing) | 71.8 g                         |
| Weight per piece (excluding packing) | 63 g                           |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                                |                                 |
|--------------------------------|---------------------------------|
| Product type                   | Base element                    |
| Product family                 | PLUGTRAB IQ                     |
| Type                           | Base element, DIN rail mounting |
| Number of positions            | 3                               |
| Surge protection fault message | none                            |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree     | 2   |

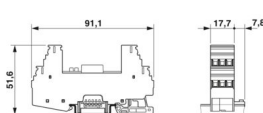
### Electrical properties

|                       |         |
|-----------------------|---------|
| Nominal voltage $U_N$ | 48 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 |  |
| Width               | 17.7 mm  |
| Height              | 91.1 mm  |
| Depth               | 51.6 mm (incl. DIN rail 7.5 mm)  |
| Horizontal pitch    | 1 Div.   |

### Material specifications

|  |                  |
|--|------------------|
| Color                                  | black (RAL 9005) |
| Flammability rating according to UL 94 | V-0              |
| Housing material                       | PA 6.6           |

### Mechanical properties

#### Mechanical data

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

### Protective circuit

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|  |                          |
|--|--------------------------|
| Nominal voltage $U_N$                      | 48 V DC                  |
| Maximum continuous operating voltage $U_C$ | 53 V DC                  |
|  | 37 V AC                  |
| Rated current                              | 300 mA (53 V DC)         |
|  | 1 A (40 °C, 30 V DC)     |
| Resistance per path                        | 1.2 $\Omega$ $\pm$ 5 %   |
| Max. required back-up fuse                 | 1 A (FF, $\leq$ 30 V DC) |
|  | 315 mA (FF, 53 V DC)     |

## Environmental and real-life conditions

### Ambient conditions

|   |                      |
|---|----------------------|
| Degree of protection                    | IP20                 |
| Ambient temperature (operation)         | -40 °C ... 70 °C     |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C     |
| Altitude                                | $\leq$ 4000 m (amsl) |

## Standards and regulations

|                          |                          |
|--------------------------|--------------------------|
| Standards/specifications | IEC 61643-21             |
| Note                     | 2000 + A1:2008, modified |
| Standards/specifications | EN 61643-21              |
| Note                     | 2001 + A1:2009           |
| Standards/specifications | EN 61000-6-3             |
| Note                     | 2007 + A1:2011           |
| Standards/specifications | EN 61000-6-2             |
| Note                     | 2005                     |

## Mounting

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

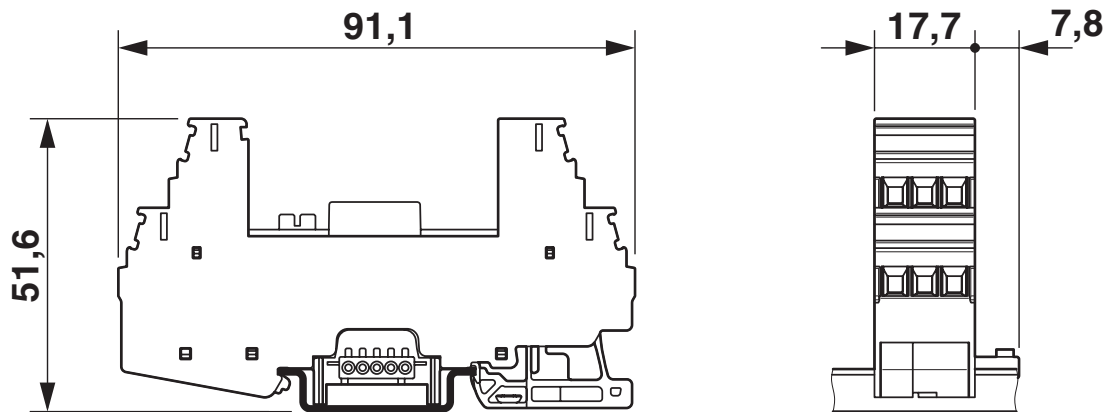
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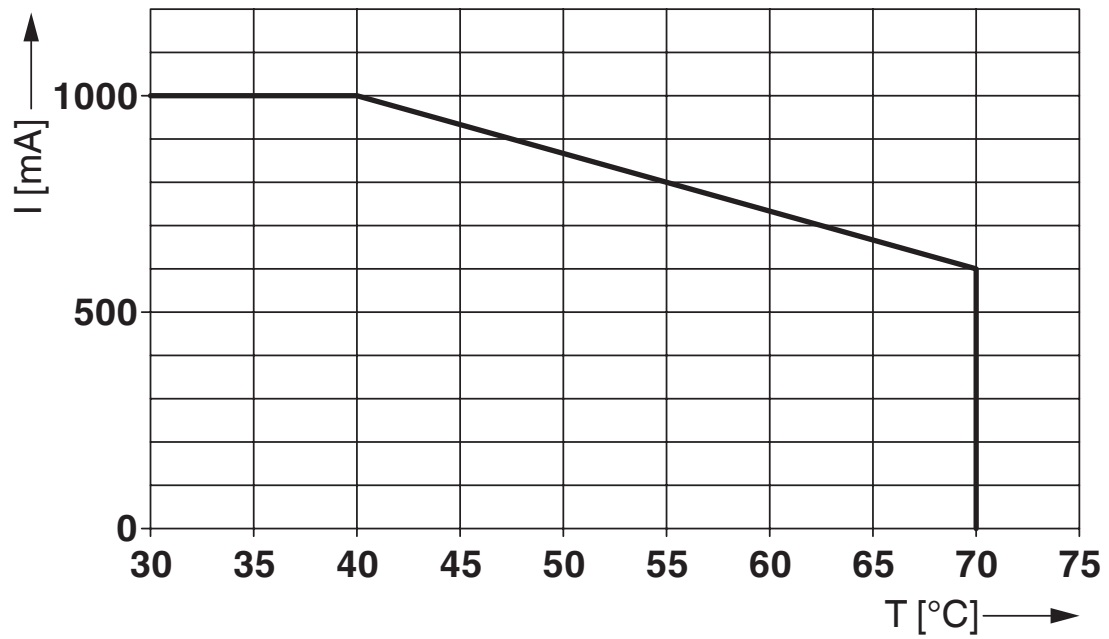
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## Drawings

Dimensional drawing



Diagram



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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |              |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes          |
| Exemption                               | 6(c), 7(c)-I |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 20bb2a75-6b46-4c09-a34a-95d118562f5f |

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)