

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

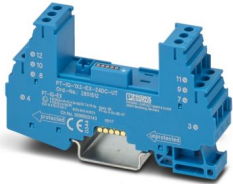


2905496

<https://www.phoenixcontact.com/us/products/2905496>

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Base element for protective plug PLUGTRAB PT-IQ-1X2-EX



## 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                          | 2905496       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL22          |
| Product key                          | CL2152        |
| GTIN                                 | 4046356958172 |
| Weight per piece (including packing) | 89.2 g        |
| Weight per piece (excluding packing) | 89.2 g        |
| Customs tariff number                | 85363010      |
| Country of origin                    | DE            |

## Technical data

### Notes

#### General

|      |  |
|------|--|
| Note | <p>This item is a replacement base element for accommodating surge protection plugs from the PLUGTRAB PT-IQ product family (note compatibility).</p> <p>The base element contains the contacts that convey the remote signaling and power supply to the protective plug.</p> |
|------|--|

### Product properties

|                     |                                 |
|---------------------|---------------------------------|
| Product type        | Base element                    |
| Product family      | PLUGTRAB IQ                     |
| Type                | Base element, DIN rail mounting |
| Number of positions | 3                               |

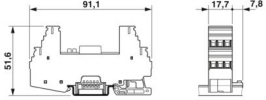
#### Insulation characteristics

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

### 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 ... 14                                   |

### Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
| Width               | 17.7 mm  |
| Height              | 91.1 mm  |
| Depth               | 51.6 mm  |
| Horizontal pitch    | 1 Div.   |

### Material specifications

|  |   |
|--|---|
| Color                                  | <p>blue (RAL 5015)</p> <p>gray (RAL 7042)</p> |
| Flammability rating according to UL 94 | V-0   |
| Housing material                       | PA 6.6  |

### Mechanical properties

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## Mechanical data

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

## Protective circuit

|                                |                        |
|--------------------------------|------------------------|
| Rated current                  | 350 mA                 |
| Resistance per path            | 1.2 $\Omega$ $\pm$ 5 % |
| Surge protection fault message | none                   |

## Environmental and real-life conditions

### Ambient conditions

|   |                                      |
|---|--------------------------------------|
| Degree of protection                    | IP20 (with inserted protective plug) |
| Ambient temperature (operation)         | -40 °C ... 70 °C                     |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C                     |
| Altitude                                | $\leq$ 2000 m (amsl)                 |

## Standards and regulations

|                          |              |
|--------------------------|--------------|
| Standards/specifications | EN 61643-21  |
| Note                     | A2:2013      |
| Standards/specifications | IEC 61643-21 |
| Note                     | A2:2012      |
| Standards/specifications | EN 60079-0   |
| Note                     | 2018         |
| Standards/specifications | EN 60079-11  |
| Note                     | 2012         |
| Standards/specifications | EN 60079-15  |
| Note                     | 2010         |
| Standards/specifications | IEC 60079-0  |
| Note                     | 2017         |
| Standards/specifications | IEC 60079-11 |
| Note                     | 2011         |
| Standards/specifications | IEC 60079-15 |
| Note                     | 2010         |
| Standards/specifications | GB/T 3836.1  |
| Note                     | 2021         |
| Standards/specifications | GB/T 3836.3  |
| Note                     | 2021         |
| Standards/specifications | GB/T 3836.4  |
| Note                     | 2021         |
| Standards/specifications | GB/T 3836.8  |
| Note                     | 2021         |

## Mounting

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

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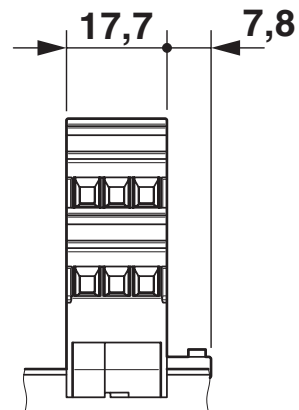
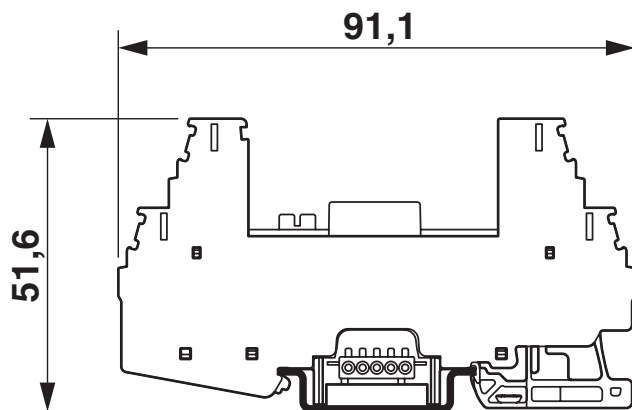


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905496>



### UL Listed

Approval ID: FILE E 138168



### IECEX

Approval ID: IECEX BVS 14.0017X



### cUL Listed

Approval ID: FILE E 333250



### UL Listed

Approval ID: FILE E 333250



### ATEX

Approval ID: BVS 14 ATEX E 020 X



### NEPSI-EX

Approval ID: GYJ20.1158X



### CCC

Approval ID: 2020322316001010



### UKCA-EX

Approval ID: DEKRA 23UKEX0111X

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27171502 |
| ECLASS-15.0 | 27171502 |

### 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                                | db91a27e-837d-43f0-bb9b-ec91a2f7cacb |

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