# TTC-6P-2X1-24DC-I-P - Surge protection plug

2907843

https://www.phoenixcontact.com/us/products/2907843

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600 mA IEC

24 V IEC



Surge protection plug with integrated status indicator on the module for two signal wires with a common reference potential. Nominal voltage: 24 V DC

## Your advantages

- Space-saving and cost-saving with a narrow overall width of just 6 mm
- Continuous monitoring of protective devices, plus mechanical status indicator with optional remote signaling
- Finding the right product for all possible requirements in MCR applications is easy, thanks to the complete range of products with customized features
- Easy testing and documentation with CHECKMASTER 2 with pluggable protective modules
- The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 2907843 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL02 |
| Product key | CL216Z |

| | |
|---|---|
| GTIN | 4055626634715 |
| Weight per piece (including packing) | 15.8 g |
| Weight per piece (excluding packing) | 9.56 g |
| Customs tariff number | 85363010 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Replacement plug |
| Product family | TERMITRAB complete |
| Type | Male |

Insulation characteristics

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

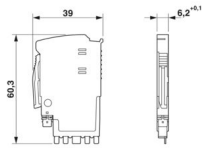
### Electrical properties

| | |
|---|---|
| Nominal voltage $U_N$ | 24 V DC |

### Connection data

| | |
|---|---|
| Connection method | pluggable |

### Dimensions

| | |
|---|---|
| Dimensional drawing |   |
| Width | 6.2 mm +0.1 mm |
| Height | 39 mm |
| Depth | 60.3 mm |

### Material specifications

| | |
|---|---|
| Color | light gray (RAL 7035) |
| | gray (RAL 7042) |
| Flammability rating according to UL 94 | V-0 |
| Insulating material | PBT |
| Housing material | PBT |

### Protective circuit

| | |
|---|---|
| Nominal voltage $U_N$ | 24 V DC |
| Maximum continuous operating voltage $U_C$ | 30 V DC |
| Rated current | 600 mA (56 °C) |

### Environmental and real-life conditions

Ambient conditions

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

| | |
|---|---|
| Altitude | ≤ 4000 m (amsl) |
| Permissible humidity (operation) | 5 % ... 95 % |

## Standards and regulations

EN 61643-21

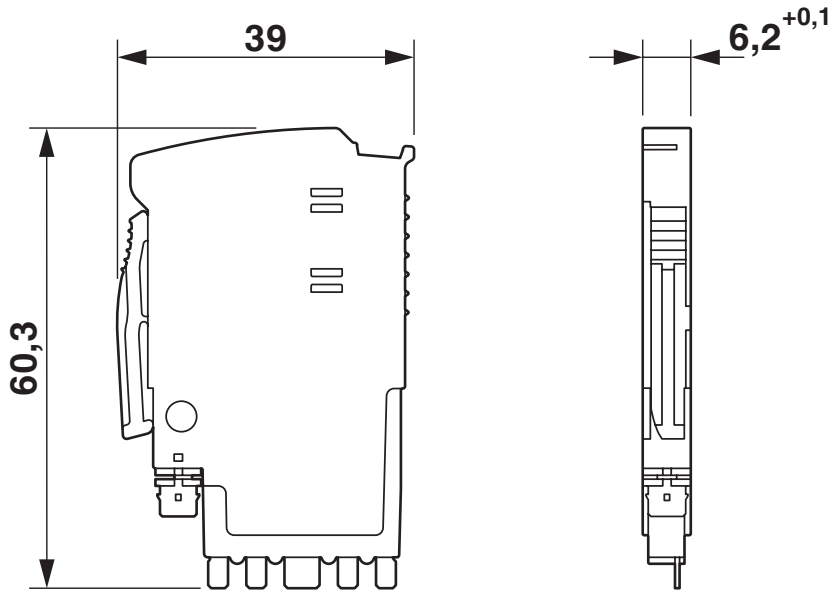
| | |
|---|---|
| Standards/specifications | EN 61643-21 |
| Note | 2001 + A1:2009 + A2:2013 |
| Standards/specifications | IEC 61643-21 |
| Note | 2000 + corrigendum 2001 + A1:2008, modified + A2:2012 |

## Mounting

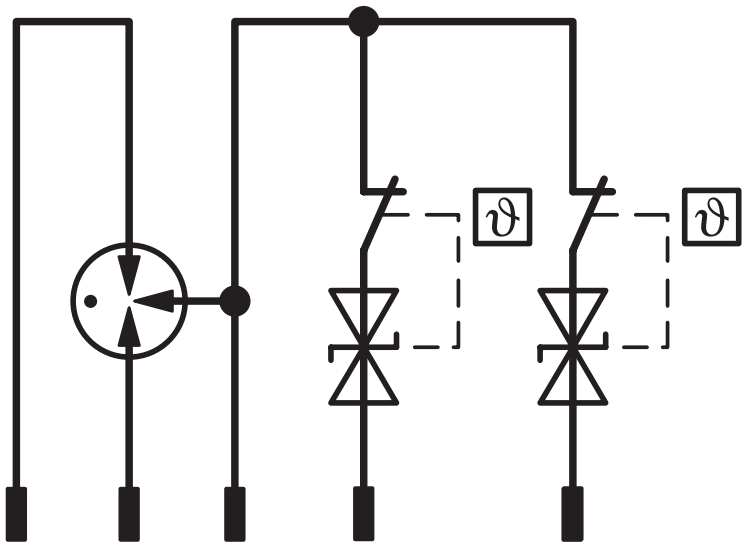
| | |
|---|---|
| Mounting type | on base element |

## Drawings

Dimensional drawing




Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2907843

**CSA**
Approval ID: 70136717

**DNV GL**
Approval ID: TAE000027G

**UL Listed**
Approval ID: FILE E 138168

**CSAus**
Approval ID: 70136717

**UAE-RoHS**
Approval ID: 22-06-16781

**cUL Listed**
Approval ID: FILE E 333250

**UL Listed**
Approval ID: FILE E 333250

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a) |

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 | 89d4f1a4-8edf-4bb6-a8f3-b8ba98dea0e8 |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.682 kg CO2e |

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