# TTC-6P-3-24DC-I-P - Surge protection plug

1061384

https://www.phoenixcontact.com/us/products/1061384

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Surge protection plug with integrated status indicator on the module for a 3-wire floating signal circuit with a high nominal current. 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

## Commercial data

| | |
|---|---|
| Item number | 1061384 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL02 |
| Product key | CL216Z |
| Catalog page | Page 143 (C-4-2019) |
| GTIN | 4055626715650 |
| Weight per piece (including packing) | 16.8 g |
| Weight per piece (excluding packing) | 9.3 g |
| Customs tariff number | 85363010 |
| Country of origin | DE |

# Technical data

## Product properties

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

Data management status

| | |
|---|---|
| Article revision | 05 |

Insulation characteristics

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

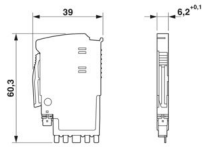
## Electrical properties

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

## Protective circuit

| | |
|---|---|
| Direction of action | Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground |
| Maximum continuous voltage $U_C$ | 30 V DC |
| Rated current | 5 A (55 °C) |
| Surge protection fault message | optical |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 (When plugged in) |
| 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

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

EN 61643-21

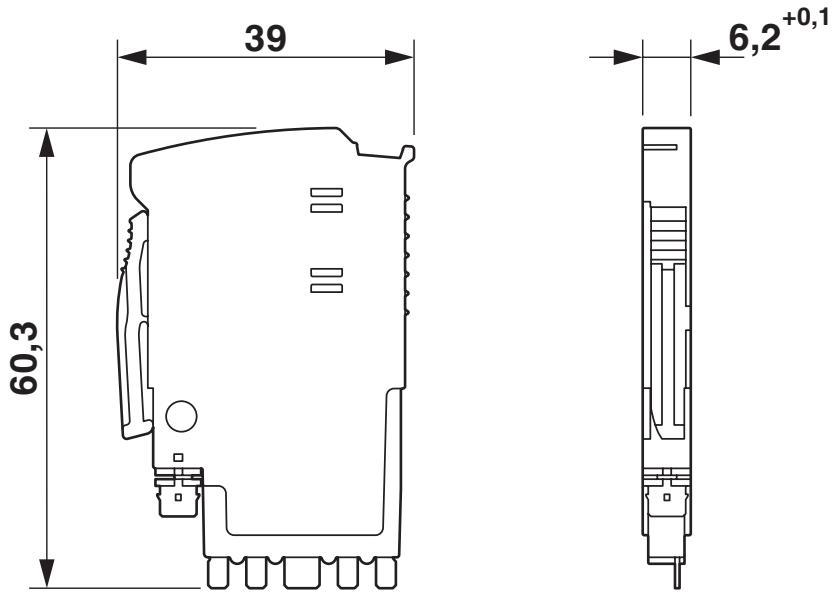
| | |
|---|---|
| Standards/specifications | EN 61643-21 |
| Note | 2001 + A1:2009 + A2:2013 |

## Mounting

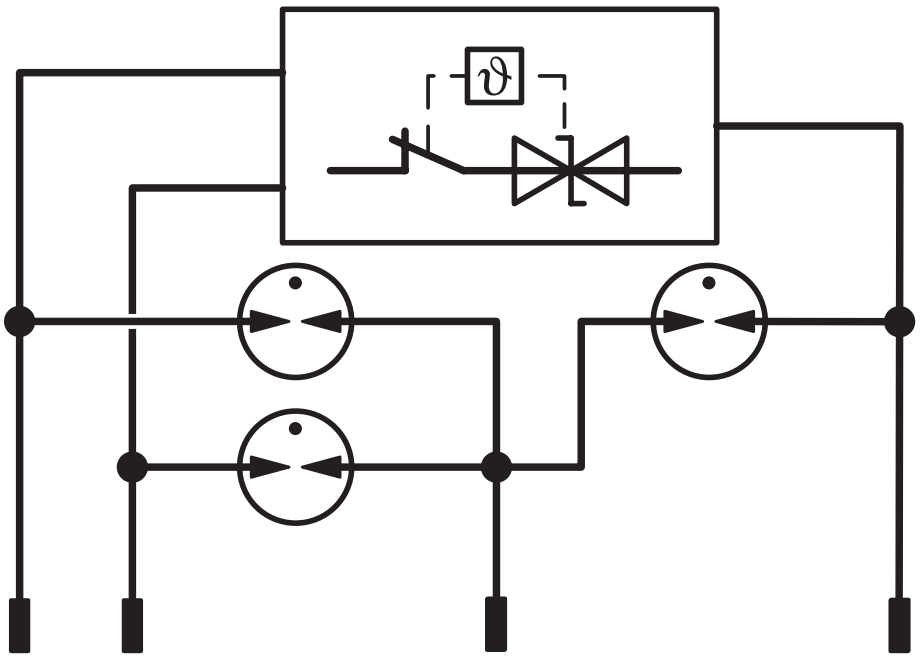
| | |
|---|---|
| Mounting type | on base element |

## Drawings

Dimensional drawing




Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1061384

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

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

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

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

**IECEx**
Approval ID: IECEx BVS 21.0057X

**ATEX**
Approval ID: BVS 21 ATEX E 052 X

**CCC**
Approval ID: 2022122304116080

**UKCA-EX**
Approval ID: DEKRA 23UKEX7003X

**cULus Listed**

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-11.0 | 27130890 |
| ECLASS-13.0 | 27171501 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC000943 |

### 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 | ec23c63f-a99b-4668-b1a1-e99d769de1ed |

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