

# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Surge protection plug with integrated status indicator on the module for a 4-wire floating signal circuit with a high nominal current. Nominal voltage: 24 V DC

## Your advantages

- Efficient use of space: the narrowest pluggable surge protection solution for 4-conductor applications
- Easy function monitoring: on-site or optionally via remote signaling, with optical monitoring, without additional effort
- Servicing without affecting the signal: replace the surge protection module without affecting the measuring signal
- Flexible choice: Push-in Technology or screw connection

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1106015       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL02          |
| Product key                          | CL216Z        |
| GTIN                                 | 4055626990569 |
| Weight per piece (including packing) | 17.12 g       |
| Weight per piece (excluding packing) | 16.62 g       |
| Customs tariff number                | 85363010      |
| Country of origin                    | DE            |

# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

## Technical data

### Product properties

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

### Insulation characteristics

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

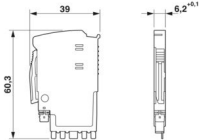
### Electrical properties

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

### 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) |
| Flammability rating according to UL 94 | V-0                   |
| Insulating material                    | PBT                   |
| Housing material                       | PBT                   |

### Protective circuit

|                                            |                                    |
|--------------------------------------------|------------------------------------|
| Direction of action                        | Line-Line & Line-Earth Ground      |
| Maximum continuous operating voltage $U_C$ | 36 V DC                            |
|                                            | 30 V AC                            |
| Rated current                              | 2.5 A (60°C for insulated systems) |
| Surge protection fault message             | optical                            |

### Environmental and real-life conditions

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP20 |
|----------------------|------|

# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

|                                         |                  |
|-----------------------------------------|------------------|
| 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 |
|---------------|-----------------|

# TTC-6P-4-24DC-I-P - Surge protection plug

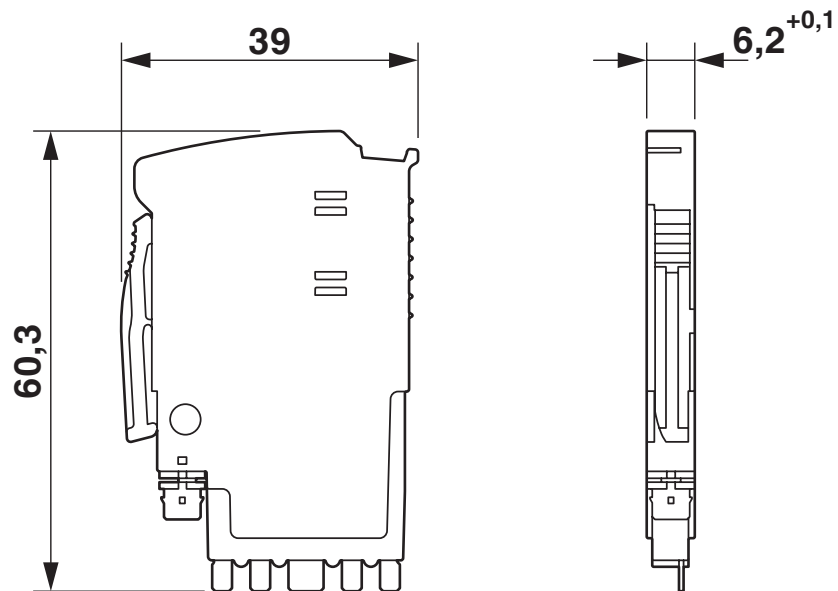
1106015

<https://www.phoenixcontact.com/us/products/1106015>

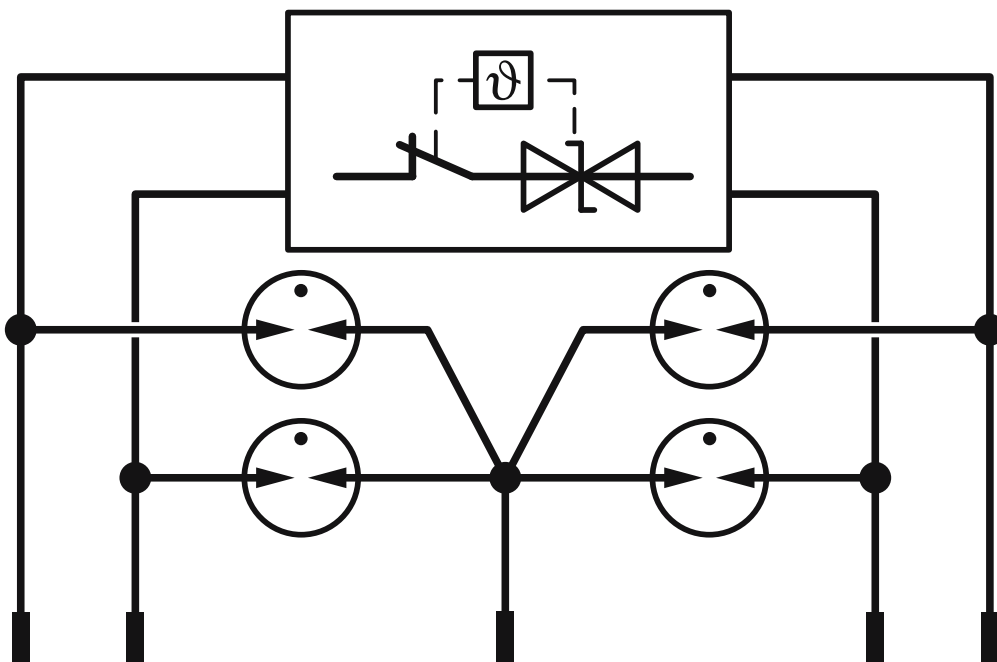


## Drawings

Dimensional drawing



Circuit diagram



# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1106015>



**UL Listed**

Approval ID: FILE E 138168

**UAE-RoHS**

Approval ID: 22-06-16783



**UL Listed**

Approval ID: FILE E 138168



**cUL Listed**

Approval ID: FILE E 333250



**UL Listed**

Approval ID: FILE E 333250



**cULus Listed**

Approval ID: File E 333250

# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27171592 |
| ECLASS-15.0 | 27171592 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002497 |
|----------|----------|

### UNSPSC

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

# TTC-6P-4-24DC-I-P - Surge protection plug



1106015

<https://www.phoenixcontact.com/us/products/1106015>

## 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                                | 757da08a-0abb-444a-bf4b-bfa26b245432 |

### EF3.0 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 1.043 kg CO2e |
|---------|---------------|

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

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