

# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

<https://www.phoenixcontact.com/us/products/2907842>

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 two signal wires with a common reference potential. Nominal voltage: 12 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	2907842
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL02
Product key	CL216Z
GTIN	4055626634708
Weight per piece (including packing)	16.05 g
Weight per piece (excluding packing)	9.56 g
Customs tariff number	85363010
Country of origin	DE

# TTC-6P-2X1-12DC-I-P - Surge protection plug

2907842

<https://www.phoenixcontact.com/us/products/2907842>

## Technical data

### Product properties

Product type	Replacement plug
Product family	TERMITRAB complete
Type	Male

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

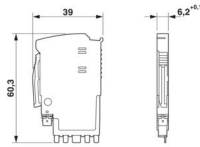
### Electrical properties

Nominal voltage $U_N$	12 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 $U_N$	12 V DC
Maximum continuous operating voltage $U_C$	15 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

# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

<https://www.phoenixcontact.com/us/products/2907842>

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
---------------	-----------------

# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

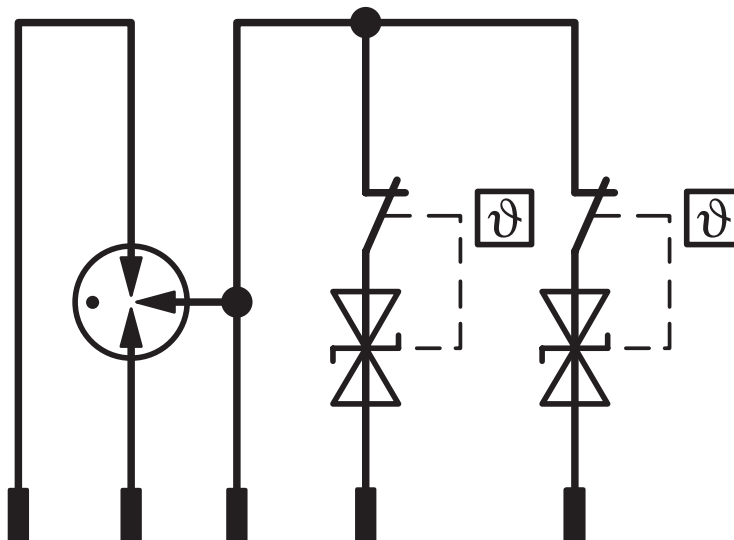
<https://www.phoenixcontact.com/us/products/2907842>

## Drawings

Dimensional drawing



Circuit diagram



# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

<https://www.phoenixcontact.com/us/products/2907842>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907842>



**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

# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

<https://www.phoenixcontact.com/us/products/2907842>

## Classifications

### ECLASS

ECLASS-13.0	27171501
ECLASS-15.0	27171501

### ETIM

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

### UNSPSC

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

# TTC-6P-2X1-12DC-I-P - Surge protection plug



2907842

<https://www.phoenixcontact.com/us/products/2907842>

## 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	75991c0e-5f62-4ab3-ab87-96b55b1b0bb5

### EF3.1 Climate Change

CO2e kg	0.921 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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)