TTC-6P-3-HF-EX-12DC-I-P - Surge protection plug

2907833

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Surge protection plug with integrated status indicator for a 3-wire Ex i signal circuit with common reference potential. For HF applications. 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	2907833
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL02
Product key	CL216Z
GTIN	4055626378893
Weight per piece (including packing)	36.2 g
Weight per piece (excluding packing)	36.2 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

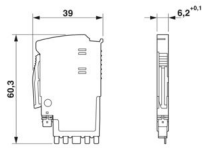
Electrical properties

Nominal voltage U_N	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	blue (RAL 5015)
	gray (RAL 7042)
Flammability rating according to UL 94	V-0
Insulating material	PBT
Housing material	PBT

Protective circuit

Maximum continuous voltage U_C	15 V DC
Rated current	600 mA (40 °C)
Surge protection fault message	optical

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	≤ 2000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %

Standards and regulations

Standards/specifications	EN 60079-0
Note	2018
Standards/specifications	EN 60079-11
Note	2012

EN 61643-21

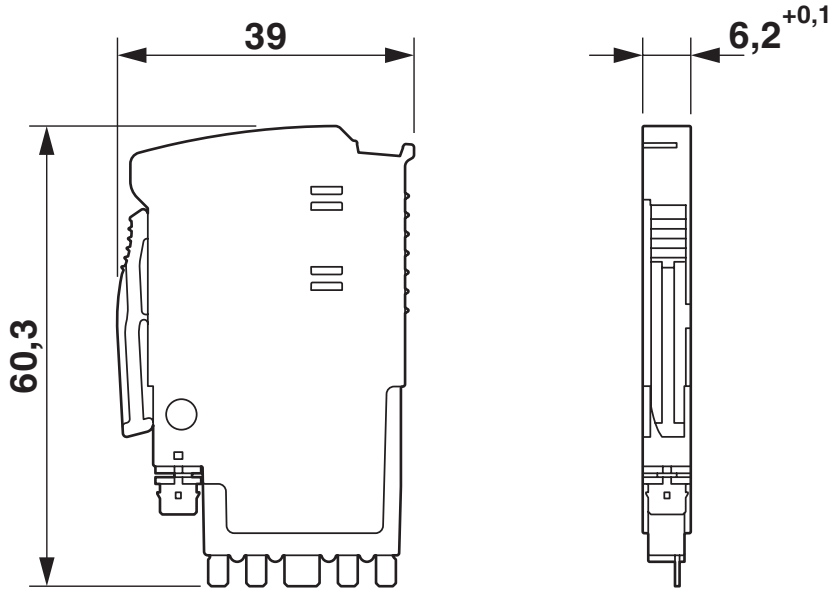
Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013
Standards/specifications	IEC 60079-0
Note	2017
Standards/specifications	IEC 60079-11
Note	2008
Standards/specifications	IEC 61643-21
Note	2000 + corrigendum 2001 + A1:2008, modified + A2:2012

Mounting

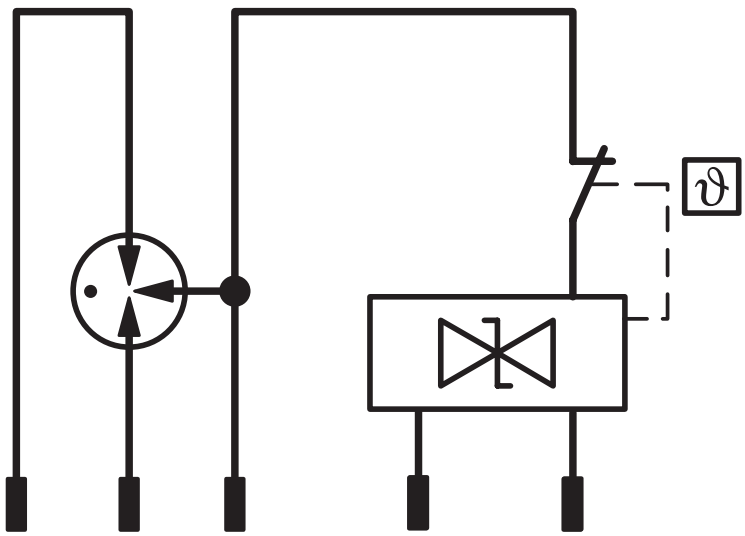
Mounting type	on base element

Drawings

Dimensional drawing



Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2907833

CSA
Approval ID: 70136717

DNV GL
Approval ID: TAE000027G

UL Listed
Approval ID: FILE E 138168

CSAus
Approval ID: 70136717

UAE-RoHS
Approval ID: 22-06-16783

IECEx
Approval ID: IECEx BVS 16.0090X

cUL Listed
Approval ID: FILE E 333250

UL Listed
Approval ID: FILE E 333250

ATEX
Approval ID: BVS 16 ATEX E 125 X

INMETRO
Approval ID: DNV 19.0077 X

NEPSI-EX
Approval ID: GYJ20.1114X

CCC
Approval ID: 2020322316000780

UKCA-EX
Approval ID: DEKRA 23UKEX0110X

cCSAus

cULus Listed

Classifications

ECLASS

ECLASS-11.0	27130890
ECLASS-13.0	27171502

ETIM

ETIM 9.0	EC001625

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	a0084a48-e5c1-4036-8a37-b61414c256a2

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https://www.phoenixcontact.com

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