

TTC-6P-1X2-EX-24DC-I-P - Surge protection plug



2907831

<https://www.phoenixcontact.com/be/products/2907831>

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Surge protection plug with integrated status indicator on the module for one 2-wire floating Ex i signal circuit. 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	2907831
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL216Z
Product key	CL216Z
Catalog page	Page 152 (C-4-2019)
GTIN	4055626378879
Weight per piece (including packing)	35,67 g
Weight per piece (excluding packing)	9,06 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Product properties

Product type	Replacement plug
Product family	TERMITRAB complete
Type	Male

Insulation characteristics

Overvoltage category	III
Pollution degree	2

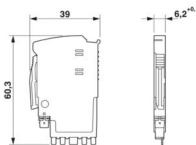
Electrical properties

Nominal voltage U_N	24 V DC
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Connection data

Connection method	pluggable
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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	30 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

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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
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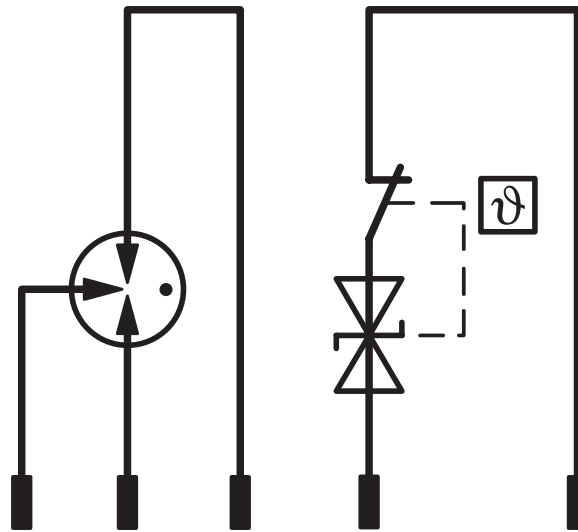
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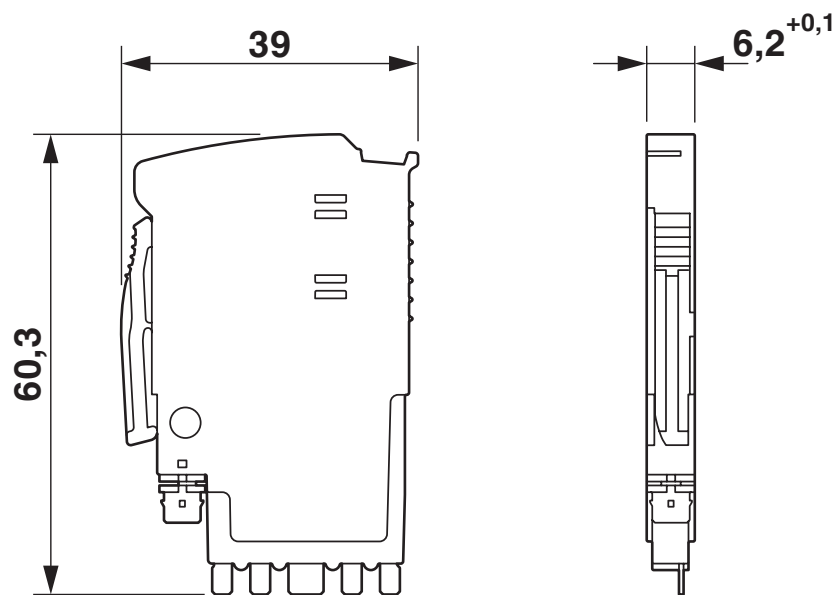
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Drawings

Circuit diagram



Dimensional drawing



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Approvals

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CSA

Approval ID: 70136717



DNV GL

Approval ID: TAE000027G



UL Listed

Approval ID: FILE E 138168



CSAus

Approval ID: 70136717

UAE-RoHS

Approval ID: 22-06-16192



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

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CCC

Approval ID: 2020322316000780



UKCA-EX

Approval ID: DEKRA 23UKEX0110X

cCSAus

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27130890
ECLASS-13.0	27171502

ETIM

ETIM 9.0	EC000943
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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