

TC EXTENDER PT-IQ-1S - Surge protection plug



2702257

<https://www.phoenixcontact.com/pc/products/2702257>

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Replaceable surge protection module, only for Ethernet extender TC EXTENDER 4001 ETH-1S (2702253), 1 SHDSL port, two-wire protection for floating SHDSL cables, two-level protective circuit

Commercial data

Item number	2702257
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC442
Catalog page	Page 349 (C-6-2019)
GTIN	4055626057729
Weight per piece (including packing)	110.068 g
Weight per piece (excluding packing)	48.68 g
Customs tariff number	85363090
Country of origin	DE

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Replacement plug
IEC test classification	B1
	C1
	C2
	C3
	D1
Type	Male
Wire pairs per module	1

Data management status

Article revision	02
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Insulation characteristics

Overvoltage category	II
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

Width	22 mm
Height	96 mm
Depth	80 mm

Protective circuit

Direction of action	Line-Line & Line-Earth Ground
Nominal discharge current I_n (8/20) μ s (line-line)	1 kA (C1, 300 pulses)
Nominal discharge current I_n (8/20) μ s (line-ground)	1 kA
Pulse discharge current I_{imp} (10/350) μ s (line-earth)	500 A (D1)
Nominal pulse current I_{an} (10/1000) μ s (line-line)	100 A (B1)
Nominal pulse current I_{an} (10/1000) μ s (line-earth)	100 A

Environmental and real-life conditions

Ambient conditions

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Degree of protection	IP20
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Approvals

Conformity/Approvals	
Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A

Standards and regulations

Standards/specifications	IEC 61643-21
Standards/specifications	IEC 60664-1

Mounting

Mounting type	Pluggable (slot)
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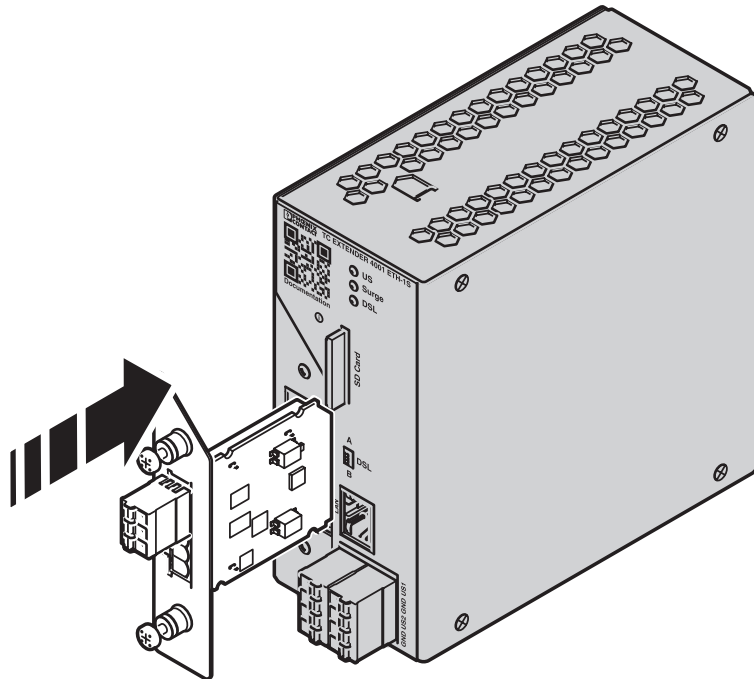
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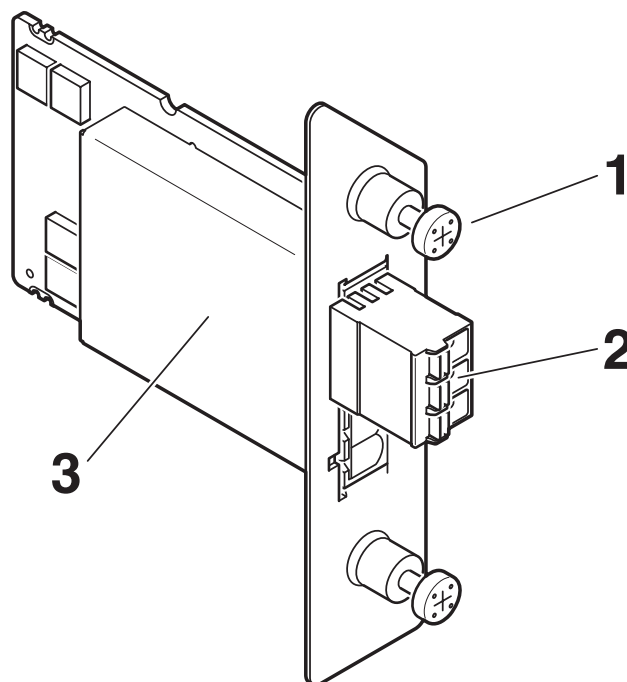
Drawings

Schematic diagram



Replacement of protection module

Schematic diagram



Function elements

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Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171592

ETIM

ETIM 9.0	EC002497
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I
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.)	No substance above 0.1 wt%

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Mandatory accessories

TC EXTENDER 4001 ETH-1S - Ethernet extenders

2702253

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Managed Ethernet extender, point-to-point connections, data rates up to 15.3 Mbps, distances of up to 20 km on in-house copper cables, replaceable surge protection, 1 SHDSL port, 1 LAN port, diagnostics via Ethernet

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