

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



2702257

<https://www.phoenixcontact.com/us/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
Sales key	DN24
Product key	DNC442
GTIN	4055626057729
Weight per piece (including packing)	83.7 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

#### 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 voltage $U_N$	24 V DC
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-line)	1 kA (C1, 300 pulses)
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-ground)	1 kA
Pulse discharge current $I_{imp}$ (10/350) $\mu$ s (line-earth)	500 A (D1)
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (line-line)	100 A (B1)
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (line-earth)	100 A

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
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## Approvals

### Conformity/Approvals

Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A
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## Standards and regulations

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

## Mounting

Mounting type	Pluggable (slot)
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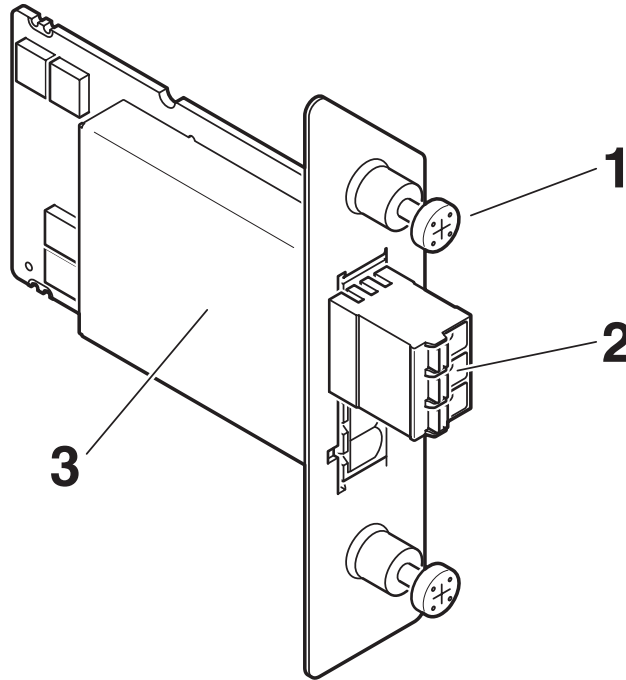
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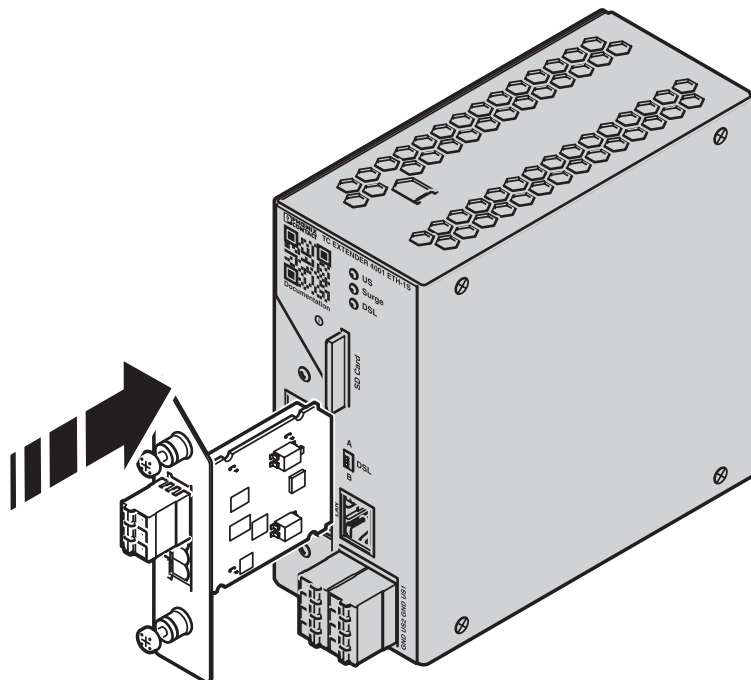
## Drawings

Schematic diagram



## Function elements

Schematic diagram



## Replacement of protection module

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## Classifications

### ECLASS

ECLASS-13.0	27171592
ECLASS-15.0	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.)	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
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