

# TC EXTENDER PT-IQ-2S - Surge protection plug



2702258

<https://www.phoenixcontact.com/us/products/2702258>

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Replaceable surge protection module, only for Ethernet extender TC EXTENDER 6004 ETH-2S (2702255), 2 SHDSL ports, two-wire protection for floating SHDSL cables, two-level protective circuit

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2702258       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN24          |
| Product key                          | DNC442        |
| GTIN                                 | 4055626057705 |
| Weight per piece (including packing) | 86 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 |
|---------------------|-------------------------|

### Product properties

|                         |                  |
|-------------------------|------------------|
| Product type            | Replacement plug |
| IEC test classification | B1               |
|                         | C1               |
|                         | C2               |
|                         | C3               |
|                         | D1               |
| Type                    | Male             |
| Wire pairs per module   | 2                |

#### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Pollution degree     | 2  |

### Electrical properties

|                       |         |
|-----------------------|---------|
| Nominal voltage $U_N$ | 24 V DC |
|-----------------------|---------|

### Connection data

|                   |           |
|-------------------|-----------|
| Connection method | pluggable |
|-------------------|-----------|

### 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) $\mu$ 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)                    |
| Total discharge current $I_{Total}$ (8/20) $\mu$ s              | 9 kA                          |
| 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 |
|------------------|----------------------------------|

## Standards and regulations

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

## Mounting

|               |                  |
|---------------|------------------|
| Mounting type | Plug-in mounting |
|---------------|------------------|

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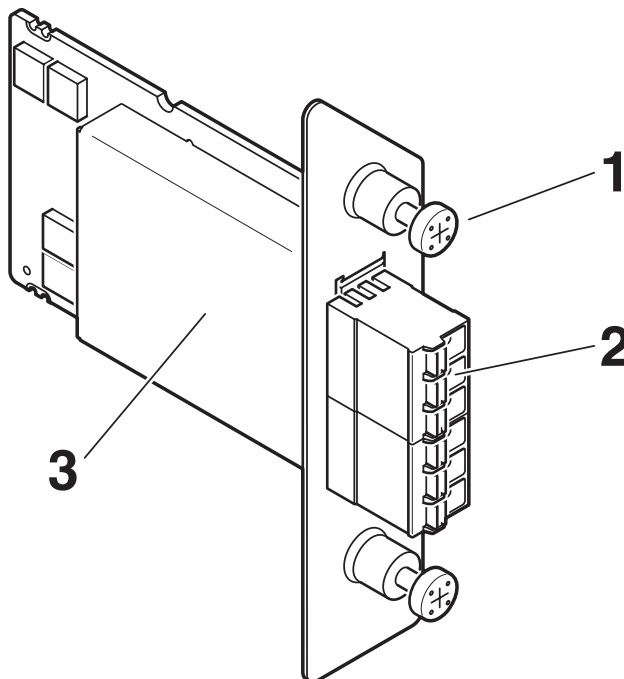
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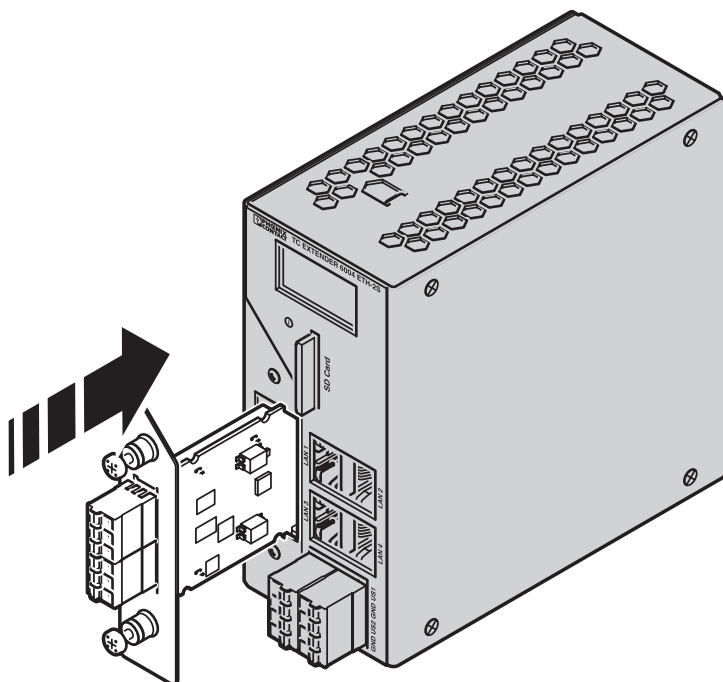
## Drawings

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 |
|----------|----------|

### 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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