

## Surge protection plug - PT-IQ-2X1-12DC-P - 2800775

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Surge protection plug with integrated multi-stage status indicator on the module for two signal wires with common reference potential. 12 V DC nominal voltage.

The figure shows the PT-IQ-1x2-24DC-P version

### Product Features

- Surge protection system
- Multi-level state monitoring
- Collective message about supply and remote module
- System supplied via DIN rail bus
- Up to 28 protection modules per supply module
- Maximum ease of maintenance thanks to the two-piece design
- Codable plug
- Impedance-neutral disconnection of plug for maintenance purposes
- Base element remains an integral part of the installation



### Key commercial data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 pc     |
| Custom tariff number | 85363010 |
| Country of origin    | Germany  |

### Technical data

#### Dimensions

|                        |         |
|------------------------|---------|
| Height                 | 45 mm   |
| Width                  | 17.7 mm |
| Depth                  | 46.6 mm |
| Horizontal pitch       | 1 Div.  |
| Complete module height | 91.1 mm |

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### Technical data

#### Dimensions

|                       |         |
|-----------------------|---------|
| Complete module width | 17.7 mm |
| Complete module depth | 77.5 mm |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Degree of protection                    | IP20             |

#### General

|  |  |
|--|--|
| Housing material                         | PA 6.6   |
| Inflammability class according to UL 94  | V0   |
| Color                                    | black  |
| Standards for air and creepage distances | IEC 60664-1  |
| Mounting type                            | On base element  |
| Type                                     | Male   |
| Direction of action                      | Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground |

#### Protective circuit

|  |                      |
|--|----------------------|
| Nominal voltage $U_N$                      | 12 V DC              |
| Maximum continuous operating voltage $U_c$ | 15 V DC              |
|  | 10 V AC              |
| Nominal current $I_N$                      | 1000 mA (Up to 45°C) |
| Total surge current (8/20) $\mu$ s         | 20 kA                |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC000943 |
|----------|----------|

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11     | 39121610 |
| UNSPSC 12.01  | 39121610 |
| UNSPSC 13.2   | 39121620 |

## Drawings

Circuit diagram

