

2800783

<https://www.phoenixcontact.com/us/products/2800783>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Surge protection plug with integrated multi-stage status indicator on the module for three signal wires. For HF applications. Nominal voltage: 5 V DC

Your advantages

- Predictive monitoring with 3-stage LED display
- Integration of the status message into the system controller via group remote signaling
- The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs
- Maximum ease of maintenance, thanks to the 2-piece design
- Maximum protection for MCR applications with high discharge capacity

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2800783       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL22          |
| Product key                          | CL2151        |
| GTIN                                 | 4046356645263 |
| Weight per piece (including packing) | 48.5 g        |
| Weight per piece (excluding packing) | 44 g          |
| Customs tariff number                | 85363010      |
| Country of origin                    | DE            |

# PT-IQ-3-PB-P - Surge protection plug



2800783

<https://www.phoenixcontact.com/us/products/2800783>

## Technical data

### Notes

#### General

|      |                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------|
| Note | Remote signaling as well as the power supply are established by inserting the connector into the base element. |
|------|----------------------------------------------------------------------------------------------------------------|

### Product properties

|                       |                  |
|-----------------------|------------------|
| Product type          | Replacement plug |
| Product family        | PLUGTRAB IQ      |
| Type                  | Male             |
| Wire pairs per module | 2                |

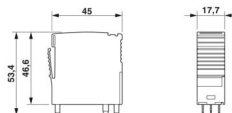
### Electrical properties

|                       |        |
|-----------------------|--------|
| Nominal voltage $U_N$ | 5 V DC |
|-----------------------|--------|

### Connection data

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

### Dimensions

|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing    |  |
| Width                  | 17.7 mm                                                                              |
| Height                 | 45 mm                                                                                |
| Depth                  | 53.4 mm                                                                              |
| Horizontal pitch       | 1 Div.                                                                               |
| Complete module width  | 17.7 mm                                                                              |
| Complete module height | 91.1 mm                                                                              |
| Complete module depth  | 77.5 mm                                                                              |

### Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color                                  | black (RAL 9005) |
|                                        | black (RAL 9005) |
| Flammability rating according to UL 94 | V-0              |
| Housing material                       | PA 6.6           |

### Protective circuit

|                                            |                                                                                    |
|--------------------------------------------|------------------------------------------------------------------------------------|
| Direction of action                        | Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground |
| Maximum continuous operating voltage $U_C$ | 6 V DC                                                                             |
|                                            | 4 V AC                                                                             |

# PT-IQ-3-PB-P - Surge protection plug



2800783

<https://www.phoenixcontact.com/us/products/2800783>

|                                |                      |
|--------------------------------|----------------------|
| Rated current                  | 600 mA (40 °C)       |
| Surge protection fault message | Optical, multi-stage |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP20             |
| Ambient temperature (operation)         | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Permissible humidity (operation)        | 5 % ... 95 %     |

## Standards and regulations

### Air clearances and creepage distances

|                       |             |
|-----------------------|-------------|
| Standards/regulations | IEC 60664-1 |
|-----------------------|-------------|

## Mounting

|               |                 |
|---------------|-----------------|
| Mounting type | on base element |
|---------------|-----------------|

# PT-IQ-3-PB-P - Surge protection plug

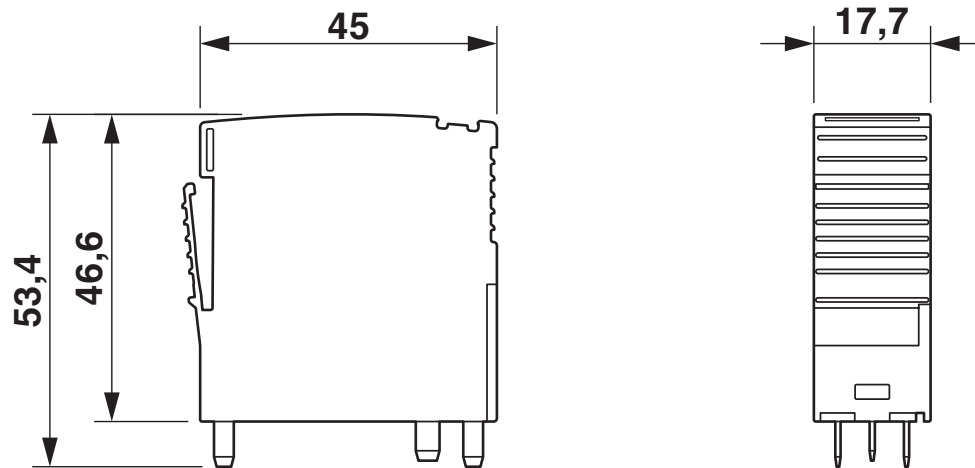
2800783

<https://www.phoenixcontact.com/us/products/2800783>



## Drawings

Dimensional drawing



# PT-IQ-3-PB-P - Surge protection plug



2800783

<https://www.phoenixcontact.com/us/products/2800783>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27171503 |
| ECLASS-15.0 | 27171503 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000943 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121600 |
|-------------|----------|

# PT-IQ-3-PB-P - Surge protection plug



2800783

<https://www.phoenixcontact.com/us/products/2800783>

## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes                |
| Exemption                               | 6(c), 7(a), 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.) | Lead(CAS: 7439-92-1)                                           |
|                                     | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7) |
| SCIP                                | 2479045a-33cc-4d6b-a26d-843fa9e726aa                           |

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)