

PT-IQ-5-HF-5DC-P - Surge protection plug



2800795

<https://www.phoenixcontact.com/us/products/2800795>

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Surge protection plug with integrated multi-stage status indicator on the module for five 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 | 2800795 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CL22 |
| Product key | CL2151 |
| GTIN | 4046356706018 |
| Weight per piece (including packing) | 53.8 g |
| Weight per piece (excluding packing) | 49.1 g |
| Customs tariff number | 85363010 |
| Country of origin | DE |

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Technical data

Product properties

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

Insulation characteristics

| | |
|------------------|---|
| Pollution degree | 2 |
|------------------|---|

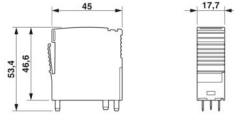
Electrical properties

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

Connection data

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

Dimensions

| | |
|------------------------|--|
| Dimensional drawing |  |
| Width | 17.7 mm |
| Height | 45 mm |
| Depth | 46.6 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 |
| Nominal voltage U_N | 5 V DC |
| Maximum continuous operating voltage U_C | 6 V DC |
| | 4 V AC |
| Rated current | 600 mA (40 °C) |
| Surge protection fault message | Optical, multi-stage |

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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 |
| Altitude | max. 4000 m |
| Permissible humidity (operation) | 5 % ... 95 % |

Standards and regulations

Air clearances and creepage distances

| | |
|--------------------------|-----------------|
| Standards/regulations | IEC 60664-1 |
| Standards/specifications | EN 61643-21/A1 |
| Note | 2009 |
| Standards/specifications | IEC 61643-21/A2 |
| Note | 2012 |
| Standards/specifications | EN 61000-6-2/A1 |
| Note | 2011 |
| Standards/specifications | EN 61000-6-3 |
| Note | 2005 |

Mounting

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

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Drawings

Dimensional drawing



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Classifications

ECLASS

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

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001466 |
|-----------|----------|

UNSPSC

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

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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 | d8f73f2a-d90e-4e7e-a288-3ff5daf4485a |

EF3.1 Climate Change

| | |
|---------|--------------|
| CO2e kg | 3.64 kg CO2e |
|---------|--------------|

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