

# PT-IQ-5-HF-12DC-P - Surge protection plug

2800796

<https://www.phoenixcontact.com/us/products/2800796>

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 five signal wires. For HF applications. Nominal voltage: 12 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	2800796
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL22
Product key	CL2151
GTIN	4046356705998
Weight per piece (including packing)	54.667 g
Weight per piece (excluding packing)	49 g
Customs tariff number	85363010
Country of origin	DE

# PT-IQ-5-HF-12DC-P - Surge protection plug



2800796

<https://www.phoenixcontact.com/us/products/2800796>

## Technical data

### Product properties

Product type	Replacement plug
Product family	PLUGTRAB IQ
Type	Male
Surge protection fault message	Optical, multi-stage
Wire pairs per module	2

### Insulation characteristics

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

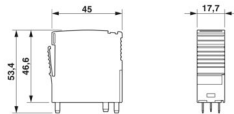
### Electrical properties

Nominal voltage $U_N$	12 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 $U_N$	12 V DC
Maximum continuous operating voltage $U_C$	15 V DC
	10 V AC
Rated current	600 mA (40 °C)

# PT-IQ-5-HF-12DC-P - Surge protection plug



2800796

<https://www.phoenixcontact.com/us/products/2800796>

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
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
---------------	-----------------

# PT-IQ-5-HF-12DC-P - Surge protection plug

2800796

<https://www.phoenixcontact.com/us/products/2800796>



## Drawings

Dimensional drawing



# PT-IQ-5-HF-12DC-P - Surge protection plug



2800796

<https://www.phoenixcontact.com/us/products/2800796>

## Classifications

### ECLASS

ECLASS-13.0	27171503
ECLASS-15.0	27171503

### ETIM

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

### UNSPSC

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

# PT-IQ-5-HF-12DC-P - Surge protection plug



2800796

<https://www.phoenixcontact.com/us/products/2800796>

## 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	3ae4dc50-d931-49dd-b106-e40d6f9f9828

### EF3.1 Climate Change

CO2e kg	3.665 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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)