

PT-IQ-2X1-48DC-P - Surge protection plug



2800777
<https://www.phoenixcontact.com/pc/products/2800777>

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 two signal wires with common reference potential. 48 V DC nominal voltage.

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	2800777
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CL2151
Catalog page	Page 73 (C-6-2013)
GTIN	4046356645324
Weight per piece (including packing)	49.8 g
Weight per piece (excluding packing)	49 g
Customs tariff number	85363010
Country of origin	DE

PT-IQ-2X1-48DC-P - Surge protection plug



2800777
<https://www.phoenixcontact.com/pc/products/2800777>

Technical data

Notes

General	This product is a replacement plug.
---------	-------------------------------------

Product properties

Product type	Replacement plug
Product family	PLUGTRAB IQ
Type	Male
Surge protection fault message	Optical, multi-stage

Electrical properties

Nominal voltage U_N	48 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 voltage U_C	53 V DC
	37 V AC
Rated current	300 mA (45 °C)
Total discharge current I_{total} (8/20) μ s	20 kA
Surge protection fault message	Optical, multi-stage

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

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

Standards/specifications	EN 61643-21/A1
Note	2009

Mounting

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

PT-IQ-2X1-48DC-P - Surge protection plug

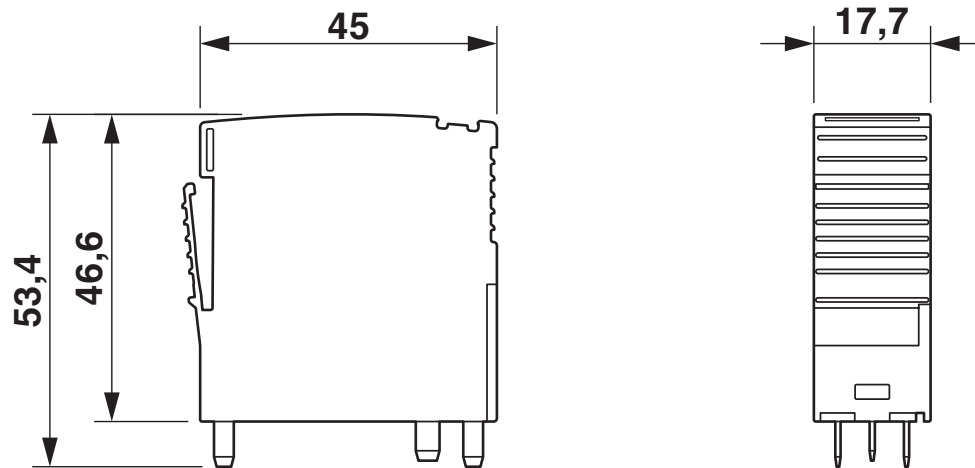
2800777

<https://www.phoenixcontact.com/pc/products/2800777>



Drawings

Dimensional drawing



PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2800777>



EAC

Approval ID: RU C-DE.*09.B.00169

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171501

ETIM

ETIM 9.0	EC001625
----------	----------

UNSPSC

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

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

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)
SCIP	ed510ab3-d6cc-4f2d-bb4c-bf1b10c3b513

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

Accessories

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

<https://www.phoenixcontact.com/pc/products/0808642>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

ZBF 5/WH-100:UNBEDRUCKT - Zack Marker strip, flat

0808668

<https://www.phoenixcontact.com/pc/products/0808668>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 1000

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

ZBF 5,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808671

<https://www.phoenixcontact.com/pc/products/0808671>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

ZBF 5,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810821

<https://www.phoenixcontact.com/pc/products/0810821>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

ZBF 5,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810863

<https://www.phoenixcontact.com/pc/products/0810863>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

ZBF 5,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808697

<https://www.phoenixcontact.com/pc/products/0808697>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

<https://www.phoenixcontact.com/pc/products/2809128>



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

ZBN 18 CUS - Zack marker strip

0825059

<https://www.phoenixcontact.com/pc/products/0825059>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

PT-IQ-2X1-48DC-P - Surge protection plug



2800777

<https://www.phoenixcontact.com/pc/products/2800777>

SSA 3-6 - Shield connection

2839295

<https://www.phoenixcontact.com/pc/products/2839295>

Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



SSA 5-10 - Shield connection

2839512

<https://www.phoenixcontact.com/pc/products/2839512>

Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



PT-IQ-2X1-48DC-P - Surge protection plug

2800777

<https://www.phoenixcontact.com/pc/products/2800777>



X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/pc/products/0811228>



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com