

INDUSTRIAL COMPONENT DATA

PT-IQ-3-HF-12DC-PT 2801288 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT-IQ-3-HF-12DC-PT



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT-IQ-3-HF-12DC-PT
Catalog number	2801288
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
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Product Overview

Surge protection device

Surge protection, consisting of plug-in protection and base element, with multi-level status indication integrated into the module for three signal conductors with joint reference potential. For high frequency applications and telecommunication interfaces without supply voltage (up to 90 MBit/s).

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > Trabtech (TT)
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Additional Product Information

Key Commercial Data

Orderkey 2801288

Packing unit 1 pc

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GTIN 4046356766692

Weight per Piece (excluding packing) 109.000 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 109.3 mm

Width 17.7 mm

Depth 77.5 mm (incl. DIN rail 7.5 mm)

Horizontal pitch 1 Div.

Ambient conditions

Ambient temperature (operation) -40 °C ... 70 °C

Ambient temperature (storage/transport) -40 °C ... 85 °C

Altitude $\leq$ 4000 m (amsl (above mean sea level))

Degree of protection IP20

General

Housing material PA 6.6

Flammability rating according to UL 94 V0

Color jet black RAL 9005

Standards for clearances and creepage distances IEC 60664-1

Mounting type DIN rail: 35 mm

Type DIN rail module, two-section, divisible

Direction of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground

Transmission speed 90 Mbps

Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 12 V DC

Maximum continuous voltage UC 15 V DC

10 V AC

Rated current 600 mA (40 °C)

Operating effective current $I_{Cat UC} \leq 100 \mu A$ (per path)

Residual current $I_{PE} \leq 100 \mu A$ (per path)

Nominal discharge current $I_n(8/20) \mu s$ (line-line) 10 kA

Nominal discharge current $I_n(8/20) \mu s$ (line-earth) 10 kA

Pulse discharge current $I_{imp}(10/350) \mu s$ (line-earth) 2.5 kA

Total discharge current $I_{total}(8/20) \mu s$ 20 kA

Voltage protection level $U_p(\text{line-line}) \leq 90 V$ (C1 - 1 kV/500 A)

$\leq 145 V$ (C2 - 10 kV / 5 kA)

$\leq 40 V$ (C3 - 25 A)

$\leq 40 V$ (C3 - 50 A)

Voltage protecti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT-IQ-3-HF-12DC-PT with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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