

INDUSTRIAL COMPONENT DATA

PT-IQ-5-HF-12DC-PT 2801293 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT-IQ-5-HF-12DC-PT



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT-IQ-5-HF-12DC-PT
Catalog number	2801293
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-040B89DB8B
Generated	2026-08-04

Product Overview

Surge protection device

Surge protection, consisting of plug-in protection and base element, with multi-level diagnostic and status indication integrated into a module for five signal conductors. For HF applications and telecommunication interfaces without supply voltage (up to 90 Mbits/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)
--------------	---------------------------------

Additional Product Information

Key Commercial Data

Orderkey 2801293

Packing unit 1 pc

Catalog page Page 146 (C-4-2017)

GTIN 4046356766746

Weight per Piece (excluding packing) 121.000 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 V-0

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)

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

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

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

Voltage protect...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT-IQ-5-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.