

## INDUSTRIAL COMPONENT DATA

# PT-IQ-5-HF-5DC-PT 2801291 PHOENIX CONTACT Surge protection device

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



|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                          |
| MPN / Reference | PT-IQ-5-HF-5DC-PT                                        |
| Catalog number  | 2801291                                                  |
| Category        | Surge protection device for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                                    |
| Document ID     | EO-F3C509CCFC                                            |
| 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 &gt; Trabtech (TT)

## Additional Product Information

Key Commercial Data

Orderkey 2801291

Packing unit 1 pc

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GTIN 4046356766722

Weight per Piece (excluding packing) 121.200 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 5 V DC

Maximum continuous voltage UC 6 V DC

4 V AC

Rated current 600 mA (40 °C)

Operating effective current  $I_{Cat UC} \leq 800 \mu A$  (per path)

Residual current  $I_{PE} \leq 800 \mu A$  (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)

$\leq 30 V$  (C3 - 25 A)

$\leq 30 V$  (C3 - 50 A)

$\leq 140 V$  (C2 - 10 kV / 5 kA)

Voltage protection...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT-IQ-5-HF-5DC-PT with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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