INDUSTRIAL COMPONENT DATA

# TTC-6P-2X1-F-48DC-PT-I 2908209 PHOENIX CONTACT Surge protection, consisting of protective plug and base elem..

**Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-2X1-F-48DC-PT-I**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | TTC-6P-2X1-F-48DC-PT-I |
| Catalog number | 2908209 |
| Category | Surge protection device for data networks/MCR-technology |
| Minimum order | 1 Pcs |
| Document ID | EO-D598F31C3E |
| Generated | 2026-11-19 |

## Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator for two signal wires with common reference potential, e.g., Digital IN/OUT. Indirect grounding via gas-filled surge arrester.
Surge protection, consisting of plug-in protection and base element, with integrated status indication for two signal conductors with common reference potential, e.g. digital INPUT/OUTPUT. Indirect grounding by gas discharger.

STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification & Catalog Path

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|---|---|
| Catalog path | PHOENIX CONTACT > Trabtech (TT) |

## Additional Product Information

Key Commercial Data
Orderkey 2908209
Packing unit 1 pc
Catalog page Page 129 (C-4-2019)
GTIN 4055626282923
Weight per Piece (excluding packing) 40.000 g
Custom tariff number 85363010
Country of origin DE (Germany)
Drawings
Ambient conditions
Protective circuit
Connection data

Environmental Product Compliance
Dimensions
General
Additional technical data
Standards and Regulations
Classifications
Drawings
Diagram
Derating curve at 55.2 V DC
Diagram
Derating curve at 30 V AC
Dimensional drawing
Pictogram
Circuit diagram
Back to topDimensions
Height 105.8 mm
Width 6.2 mm +0.1 mm
Depth 100 mm (incl. DIN rail 7.5 mm)
Back to topAmbient conditions
Ambient temperature (operation) -40 °C ... 85 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Permissible humidity (operation) 5 % ... 95 %
Altitude <= 4000 m (amsl (above mean sea level))
Degree of protection IP20
Back to topGeneral
Housing material PBT
Flammability rating according to UL 94 V-0
Color traffic grey A RAL 7042
light grey RAL 7035
Mounting type DIN rail: TH 35 - 7.5 mm
Type DIN rail module, two-section, divisible
Direction of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground
Back to topProtective circuit
IEC test classification C1
C2
C3
D1
Nominal voltage UN 48 V DC
Maximum continuous voltage UC 53 V DC
30 V AC
Rated current 220 mA DC (75 °C)
600 mA AC (56 °C)
Operating effective current ICat UC <= 5 µA
Residual current IPE <= 1 µA
Nominal discharge current In(8/20) µs (line-e...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-2X1-F-48DC-PT-I 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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