

INDUSTRIAL COMPONENT DATA

TTC-3-1X2-24DC-PT 2907325 PHOENIX CONTACT Surge protection for a 2-wire floating signal circuit, e.g., 0(4) ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-3-1X2-24DC-PT



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-3-1X2-24DC-PT
Catalog number	2907325
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-40B780E7AC
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Product Overview

Surge protection for a 2-wire floating signal circuit, e.g., 0(4) ... 20 mA current loop, HART-compatible.
Surge protection for a potential-free 2-wire signal circuit, e.g. current loop 0(4) ... 20 mA, suitable for HART.

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 2907325
Packing unit 1 pc
Catalog page Page 119 (C-4-2019)
GTIN 4055626199917
Weight per Piece (excluding packing) 20.000 g
Custom tariff number 85363030
Country of origin DE (Germany)
Drawings
Ambient conditions
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Classifications
Dimensions

General

Connection data

Environmental Product Compliance

Drawings

Diagram

Dimensional drawing

Pictogram

Circuit diagram

[Back to top](#)Dimensions

Height 106 mm

Width 3.5 mm

Depth 69.5 mm (incl. DIN rail 7.5 mm)

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Ambient temperature (operation) -40 °C ... 85 °C

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

Permissible humidity (operation) 5 % ... 95 %

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

Degree of protection IP20 (with end cover)

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Housing material PBT

Flammability rating according to UL 94 V-0

Color traffic grey A RAL 7042

Mounting type DIN rail: TH 35 - 7.5 mm

Type DIN rail module, one-piece

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

[Back to top](#)Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 24 V DC

Maximum continuous voltage UC 30 V DC

21 V AC

Rated current 250 mA (70°C)

Operating effective current $I_{Cat UC} \leq 1 \mu A$

Residual current IPE $\leq 1 \mu A$

Nominal discharge current $I_n(8/20) \mu s$ (line-line) 5 kA

Nominal discharge current $I_n(8/20) \mu s$ (line-earth) 5 kA

Pulse discharge current $I_{imp}(10/350) \mu s$ (line-earth) 0.5 kA

Total dis...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-3-1X2-24DC-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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