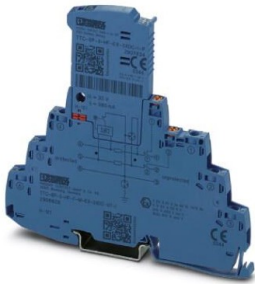


INDUSTRIAL COMPONENT DATA

TTC-6P-3-HF-F-M-EX-24DC-UT-I 2906828 PHOENIX CONTACT

Surge protection, consisting of protective plug and bas..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-3-HF-F-M-EX-24DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6P-3-HF-F-M-EX-24DC-UT-I
Catalog number	2906828
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-16B29B4C6D
Generated	2026-08-06

Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator and knife disconnection for a 3-wire Ex i signal circuit with common reference potential. For HF applications. Indirect grounding via gas-filled surge arrester, HART-compatible. Can be used inside of a fieldbus-system according to the FISCO concept.

Surge protection with integrated status indicator and blade interrupt for a 3-wire intrinsically safe signal circuit with common reference potential. For high-frequency applications. Indirect earthing by gas discharger, suitable for HART. Suitable for use in fieldbus systems (e.g. Profibus PA) according to the FISCO concept, APL ready.

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 2906828

Packing unit 1 pc

Catalog page Page 181 (C-4-2019)

GTIN 4055626135892

Weight per Piece (excluding packing) 60.000 g

Custom tariff number 85363010

Country of origin DE (Germany)

Drawings

Ambient conditions

Protective circuit

Standards and Regulations

Conformity / approvals

Classifications

Dimensions

General

Connection data

General

Environmental Product Compliance

Drawings

Diagram

Dimensional drawing

Pictogram

Circuit diagram

[Back to top](#)Dimensions

Height 105.8 mm

Width 6.2 mm +0.1 mm

Depth 100 mm (incl. DIN rail 7.5 mm)

[Back to top](#)Ambient conditions

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

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

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

Altitude ≤ 2000 m (amsl (above mean sea level))

Degree of protection IP20

[Back to top](#)General

Housing material PBT

Flammability rating according to UL 94 V-0

Color sky blue RAL 5015

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 top](#)Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 24 V DC

Maximum continuous voltage UC 30 V DC

Rated current 600 mA (40 °C)

Operating effective current I_{Cat UC} ≤ 5 μA

Residual current I_{PE} ≤ 1 μA

Nominal discharge current I_{n(8/20)} μs (line-line) 5 kA

Nominal discharge current I_{n(8/20)} μs (line-earth) 5 kA

Nominal discharge current I_{n(8/20)} μs (line-si...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-3-HF-F-M-EX-24DC-UT-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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