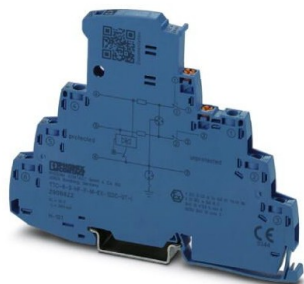


INDUSTRIAL COMPONENT DATA

TTC-6-3-HF-F-M-EX-12DC-UT-I 2906822 PHOENIX CONTACT

Surge protection with integrated status indicator and kn..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-3-HF-F-M-EX-12DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-3-HF-F-M-EX-12DC-UT-I
Catalog number	2906822
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-C46CE72A3B
Generated	2026-08-06

Product Overview

Surge protection 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.

Surge protection with integrated status indication and blade separation for a 3-wire Ex i signal circuit with common reference potential. For high-frequency applications. Indirect earthing by gas discharger, 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 2906822

Packing unit 1 pc

Catalog page Page 180 (C-4-2019)

GTIN 4055626235097

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 topDimensions

Height 105.8 mm

Width 6.2 mm +0.1 mm

Depth 83.5 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 $\leq$ 2000 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 sky blue RAL 5015

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 topProtective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 12 V DC

Maximum continuous voltage UC 15 V DC

Rated current 600 mA (40 °C)

Operating effective current ICat UC $\leq$ 100 μ A

Residual current IPE $\leq$ 1 μ A

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

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

Nominal discharge current $I_n(8/20)$ μ s (line-signal groun...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-3-HF-F-M-EX-12DC-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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