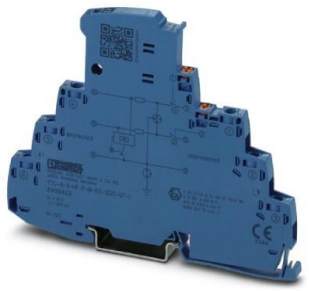
INDUSTRIAL COMPONENT DATA

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-BAD6C5AB88
Generated	2026-11-19

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)

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 <= 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 <= 100 µA
Residual current IPE <= 1 µA
Nominal discharge current In(8/20) µs (line-line) 5 kA
Nominal discharge current In(8/20) µs (line-earth) 5 kA
Nominal discharge current In(8/20) µs (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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