INDUSTRIAL COMPONENT DATA

TTC-6P-1X2-F-M-24DC-PT-I 2906790 PHOENIX CONTACT Surge protection, consisting of protective plug and base el..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-1X2-F-M-24DC-PT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6P-1X2-F-M-24DC-PT-I
Catalog number	2906790
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-FD5E723D85
Generated	2026-11-19

Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator and disconnect knife for a 2-wire floating signal circuit, e.g., 0(4) ... 20 mA current loop. Indirect grounding via gas-filled surge arrester.
Surge protection, consisting of plug-in protection and base element, with integrated status indication and disconnector blade for a potential-free 2-wire signal circuit, e.g. 0(4) current loop ... 20 mA. 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 2906790
Packing unit 1 pc
Catalog page Page 117 (C-4-2019)
GTIN 4055626135465
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
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 24 V DC
Maximum continuous voltage UC 30 V DC
21 V AC
Rated current 600 mA (56 °C)
Operating effective current ICat UC <= 5 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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-1X2-F-M-24DC-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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.