INDUSTRIAL COMPONENT DATA

TTC-6P-2X1-M-24DC-UT-I 2906741 PHOENIX CONTACT Surge protection, consisting of protective plug and base elem..

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6P-2X1-M-24DC-UT-I



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6P-2X1-M-24DC-UT-I
Catalog number	2906741
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-03BB642814
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Product Overview

Surge protection, consisting of protective plug and base element, with integrated status indicator and disconnect knife for two signal wires with common reference potential, e.g., Digital IN/OUT.
Surge protection, consisting of plug-in protection and base element, with integrated status display and disconnector blade for two signal conductors with common reference potential, e.g. digital INPUT/OUTPUT.
Surge protection, consisting of protective plug and base element, with integrated status indicator and disconnect knife for two signal wires with common reference potential, e.g., digital IN/OUT. Can be used in safety-related circuits up to SIL 3.

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

Technical dataProduct propertiesProduct type Surge protection for MCR technology
Product family TERMITRAB complete
IEC test classification C1
C2
C3
D1
Type DIN rail module, two-section, divisible
Data management status
Article revision 04
Insulation characteristics

Overvoltage category III
Pollution degree 2
Electrical propertiesNominal voltage UN 24 V DC
Connection dataConnection method Screw connection
Screw thread M3
Tightening torque 0.5 Nm ... 0.6 Nm
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section rigid 0.2 mm² ... 4 mm²
Conductor cross section AWG 24 ... 12
DimensionsDimensional drawing
Width 6.2 mm +0.1 mm
Height 105.8 mm
Depth 100 mm (incl. DIN rail 7.5 mm)
Material specificationsColor (Base element) gray (RAL 7042)
Color (Male connector) light gray (RAL 7035)
Flammability rating according to UL 94 V-0
Insulating material PBT
Housing material PBT
Mechanical propertiesMechanical data
Open side panel No
Protective circuitDirection of action Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground
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 <= 10 µA
Nominal discharge current In(8/20) µs (line-ground) 5 kA
Pulse discharge current Iimp(10/350) µs (line-earth) 0.5 kA
Total discharge current Itotal(8/20) µs 10 kA
Voltage protection level Up(line-earth) <= 140 V (C1 - 1 kV / 500 A)
<= 190 V (C2 - 10 kV / 5 kA)
<= 45 V (C3 - 25 A)
<=...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6P-2X1-M-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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