INDUSTRIAL COMPONENT DATA

TTC-6-2-24DC-UT 2906800 PHOENIX CONTACT Surge protection for resistance-dependent measuring signals.

Brand: PHOENIX CONTACT | Manufacturer Part Number: TTC-6-2-24DC-UT



Manufacturer	PHOENIX CONTACT
MPN / Reference	TTC-6-2-24DC-UT
Catalog number	2906800
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-DFABEE8A54
Generated	2026-11-18

Product Overview

Surge protection for resistance-dependent measuring signals.
Surge protection for resistance-dependent measuring signals. 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, one-piece
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 69.5 mm (incl. DIN rail 7.5 mm)
Material specificationsColor gray (RAL 7042)
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 450 mA (80 °C)
Operating effective current ICat UC <= 5 µA
Residual current IPE <= 1 µA
Nominal discharge current In(8/20) µs (line-line) 0.5 kA
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-line) <= 60 V (C1 - 1 kV / 500 A)
<= 45 V (C3 - 25 A)
<= 50 V (C3 - 100 A)
Volta...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TTC-6-2-24DC-UT with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

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