INDUSTRIAL COMPONENT DATA

PT 1X2-24AC-ST 2856058 PHOENIX CONTACT Surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 1X2-24AC-ST



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 1X2-24AC-ST
Catalog number	2856058
Category	Surge protection device for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-75D86DA97D
Generated	2026-11-18

Product Overview

Surge protection plug
PT plug-in protection with circ. Protec. P/ un Circ. 2 cond. floating. Suitable for HART.
PT protective connector with protective circuit for a 2-wire floating signal circuit. HART-compatible.

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 dataNotesGeneral
Note Technical data is valid in association with the following specified base elements:
PT 1X2+F-BE 2856126
PT 1X2-BE 2856113
Product propertiesProduct type Surge protection for MCR technology
Product family PLUGTRAB PT
IEC test classification C1
C2
C3
D1
Type Male
Number of positions 2
Arrester can be tested with CHECKMASTER from software version: From SW rev. 1.00

Wire pairs per module 1
Data management status
Article revision 18
Insulation characteristics
Overvoltage category III
Pollution degree 2
Electrical propertiesNominal voltage UN 24 V AC
Connection dataConnection method Screw connection (in connection with the base element)
Screw thread M3
Tightening torque 0.5 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 17.7 mm
Height 45 mm
Depth 52 mm
Horizontal pitch 1 Div.
Complete module width 17.7 mm
Complete module height 90 mm
Complete module depth 65.5 mm
Material specificationsColor black (RAL 9005)
Copper color
Flammability rating according to UL 94 V-0
Housing material PA 6.6
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 40 V DC
28 V AC
Rated current 450 mA (45 °C)
Operating effective current ICat UC <= 5 A
Residual current IPE <= 1 µA (with PT 1X2+F-BE)....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 1X2-24AC-ST 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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