INDUSTRIAL COMPONENT DATA

PT 1X2-BE 2856113 PHOENIX CONTACT Surge protection base element

Brand: PHOENIX CONTACT | Manufacturer Part Number: PT 1X2-BE



Manufacturer	PHOENIX CONTACT
MPN / Reference	PT 1X2-BE
Catalog number	2856113
Category	Accessories/spare parts for surge protection data networks/MCR-te
Minimum order	1 Pcs
Document ID	EO-96B97957E1
Generated	2026-11-18

Product Overview

Surge protection base element
PT plug-in protection base element with protection circuit for a two-conductor signal circuit with no earth potential. Mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm.

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 2856113
Packing unit 10 pc
Catalog page Page 98 (C-4-2017)
GTIN 4017918599287
Weight per Piece (excluding packing) 49.030 g
Custom tariff number 85363010
Country of origin DE (Germany)
Dimensions
Height 90 mm
Width 17.7 mm
Depth 51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch 1 Div.

Ambient conditions
Ambient temperature (operation) -40 °C ... 85 °C
Ambient temperature (storage/transport) -40 °C ... 85 °C
Altitude <= 2000 m (amsl (above mean sea level))
Degree of protection IP20
General
Housing material PA 6.6
Flammability rating according to UL 94 V-0
Color jet black RAL 9005
Mounting type DIN rail: 35 mm
Type Base element, DIN rail mounting
Number of positions 2
Direction of action Signal Ground/Shield-Earth Ground
Protective circuit
Nominal voltage UN 48 V DC
Maximum continuous voltage UC 53 V DC
37 V AC
Rated current 450 mA (45°C)
Resistance in series 2.2 ? ±10 %
Surge protection fault message none
Max. required back-up fuse 500 mA (T)
Connection data
Connection method Screw connection
Screw thread M3
Tightening torque 0.5 Nm
Stripping length 8 mm
Conductor cross section flexible 0.2 mm² ... 2.5 mm²
Conductor cross section solid 0.2 mm² ... 4 mm²
Conductor cross section AWG 24 ... 12
Standards and Regulations
Standards/specifications IEC 61643-21 2000 + corrigendum 2001 + A1:2008, modified + A2:2012
EN 61643-21 2001 + A1:2009 + A2:2013
Environmental Product Compliance
China RoHS Environmentally Friendly Use Period = 50
For details about hazar...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PT 1X2-BE 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.