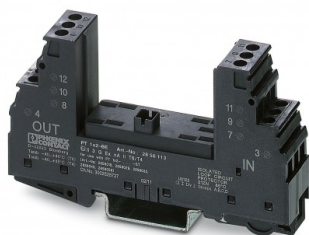


INDUSTRIAL COMPONENT DATA

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-1A5CD48D56
Generated	2026-07-29

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)
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Additional Product Information

Key Commercial Data

Orderkey 2856113

Packing unit 10 pc

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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 Ω ±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 hazard...

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

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