

INDUSTRIAL COMPONENT DATA

S-PT-EX-48DC 2800053 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-EX-48DC



Manufacturer	PHOENIX CONTACT
MPN / Reference	S-PT-EX-48DC
Catalog number	2800053
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
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Product Overview

Surge protection device

Surge protection for a potential-free driven signal circuit to ground in the IP67 screw-on module for sensor cables, connection M20 x 1.5. Tested according to the degrees of ignition protection in the zones Ex d/Ex tD/Ex ia IIC/Ex iaD. Suitable for use in fieldbus systems according to the FISCO concept.

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 2800053

Packing unit 1 pc

Note Made to Order (non-returnable)

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GTIN 4046356445696

Weight per Piece (excluding packing) 196.290 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 28 mm

Width 28 mm

Depth 79 mm

Ambient conditions

Ambient temperature (operation) -40 °C ... 80 °C (non-Ex)

Altitude ≤ 2000 m (amsl (above mean sea level))

Degree of protection IP67

General

Housing material Stainless steel

Color silver

Standards for clearances and creepage distances IEC 60664-1

IEC 60079-11

Mounting type M20

Type Screw-in module

Number of positions 2

Direction of action Line-Line & Line-Earth Ground

Protective circuit

IEC test classification C1

C2

C3

D1

Nominal voltage UN 48 V DC

Maximum continuous voltage UC 53 V DC

37 V AC

Operating effective current I_{Cat} UC ≤ 5 μA

Residual current IPE ≤ 2 μA

Nominal discharge current $I_n(8/20)$ μs (line-line) 170 A

Nominal discharge current $I_n(8/20)$ μs (line-earth) 10 kA

Pulse discharge current $I_{imp}(10/350)$ μs 1 kA

Total discharge current $I_{total}(8/20)$ μs 20 kA

Total discharge current $I_{total}(10/350)$ μs 2 kA

Nominal pulse current I_{an} (10/1000) μs (line-line) 34 A

Output voltage limitation at 1 kV/μs (line-line) spike ≤ 160 V

Output voltage limitation at 1 kV/μs (line-earth) spike ≤ 1.1 kV

Output voltage limitation at 1 kV/μs (line-line) static ≤ 80 V

Voltage protection level U_p (line-line) ≤ 90 V (C3 - 10 A)

Voltage protection level U_p (line-earth) ≤ 1.1 kV (C3 - 10...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-EX-48DC 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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