

INDUSTRIAL COMPONENT DATA

S-PT-EX-24DC 2800034 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-EX-24DC



Manufacturer	PHOENIX CONTACT
MPN / Reference	S-PT-EX-24DC
Catalog number	2800034
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-63046337CE
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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 heads, connection M20 x 1.5. Tested according to the types of protection in the Ex Ex d/Ex tD/Ex ia IIC/Ex iaD zones. Suitable for use in fieldbus systems according to the FISCO concept, suitable for HART.

Overvoltage protection for a potential-free signal circuit in the IP67-rated screw module for sensor heads, M20 x 1.5 connection. Tested according to the protection types for potentially explosive areas Ex d / Ex tD / Ex ia IIC / Ex iaD. Suitable for use in the fieldbus system according to the FISCO concept, HART compatible. Can be used in safety 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

Key Commercial Data

Orderkey 2800034

Packing unit 1 pc

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GTIN 4046356411004

Weight per Piece (excluding packing) 194.140 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 24 V DC

Maximum continuous voltage UC 36 V DC

25 V AC

Operating effective current $I_{Cat UC} \leq 5 \mu A$

Residual current IPE ≤ 2 μA

Nominal discharge current $I_n(8/20) \mu s$ (line-line) 260 ANominal discharge current $I_n(8/20) \mu s$ (line-earth) 10 kAPulse discharge current $I_{imp}(10/350) \mu s$ 1 kATotal discharge current $I_{total}(8/20) \mu s$ 20 kATotal discharge current $I_{total}(10/350) \mu s$ 2 kAMax. discharge current $I_{max}(8/20) \mu s$ maximum (line-line) 260 AMax. discharge current $I_{max}(8/20) \mu s$ maximum (line-earth) 20 kANominal pulse current $I_{an} (10/1000) \mu s$ (line-line) 50 A

Output voltage limitation at 1 kV/μs (line-line) spike ≤ 130 V

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

Output voltage limitation at 1 kV/μs (line-line) static ≤ 60 V

Voltage protection level...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-EX-24DC 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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