

INDUSTRIAL COMPONENT DATA

S-PT-4-EX-24DC 2800036 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-4-EX-24DC



Manufacturer	PHOENIX CONTACT
MPN / Reference	S-PT-4-EX-24DC
Catalog number	2800036
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
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Product Overview

Surge protection device

Two-level surge protection for three or four signals from potential-free driven signal circuits to ground in the IP67 rating spin-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 (intrinsically safe bus concept), suitable for HART.

Two-phase surge protection for three- or four-signal ground potential-free signal circuits in the IP67-rated screw module for sensor heads, M20 x 1.5 connection. Tested according to the types of protection in areas with potential risk of explosion 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 2800036

Packing unit 1 pc

Note Made to Order (non-returnable)

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GTIN 4046356411042

Weight per Piece (excluding packing) 207.020 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 $\leq$ 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 4

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 μ A

Residual current IPE $\leq$ 2 μ A

Nominal discharge current $I_n(8/20)$ μ s (line-line) 260 A

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

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

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

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

Nominal pulse current $I_{an}(10/1000)$ μ s (line-line) 50 A

Output voltage limitation at 1 kV/ μ s (line-line) spike $\leq$ 130 V

Output voltage limitation at 1 kV/ μ s (line-earth) spike $\leq$ 1.1 kV

Output voltage limitation at 1 kV/ μ s (line-line) static $\leq$ 60 V

Voltage protection level U_p (line-line) $\leq$ 65 V (C3 - 10 A)

Voltage protection level U_p (line-earth) $\leq$ 1.1 kV (C3 - 10...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-4-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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