

## INDUSTRIAL COMPONENT DATA

# S-PT-EX-24DC-1/2" 2800035 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-EX-24DC-1/2"



|                 |                                                    |
|-----------------|----------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                    |
| MPN / Reference | S-PT-EX-24DC-1/2"                                  |
| Catalog number  | 2800035                                            |
| Category        | Combined arrester for data networks/MCR-technology |
| Minimum order   | 1 Pcs                                              |
| Document ID     | EO-67E02260E1                                      |
| Generated       | 2026-08-01                                         |

## Product Overview

Surge protection device

Surge protection for a potential-free driven signal circuit to ground on the IP67 rating spin-on module for sensor heads, 1/2 inch 14 NPT connection. 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.

Surge protection for an earth potential-free operated signal circuit in the screw-on module of protection class IP67 for sensor heads, connection 1/2 inch 14 NPT. Tested according to types of ignition protection in Ex areas Ex d / Ex tD / Ex ia IIC / Ex iaD. Is suitable for use in the fieldbus system according to the FISCO concept, HART-capable. Can be used in safety-related 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 &gt; Trabtech (TT)

## Additional Product Information

Key Commercial Data

Orderkey 2800035

Packing unit 1 pc

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GTIN 4046356411011

Weight per Piece (excluding packing) 198.430 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

Mounting type 1/2" NPT

Type Screw-in module

Number of positions 2

Direction of action Line-Line &amp; 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  $\leq 5$   $\mu$ AResidual current IPE  $\leq 2$   $\mu$ ANominal 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 AOutput voltage limitation at 1 kV/ $\mu$ s (line-line) spike  $\leq 130$  VOutput voltage limitation at 1 kV/ $\mu$ s (line-earth) spike  $\leq 1.1$  kVOutput voltage limitation at 1 kV/ $\mu$ s (line-line) static  $\leq 60$  VVoltage protection level  $U_p$ (line-line)  $\leq 65$  V (C3 - 10 A)Voltage protection level  $U_p$ (line-...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-EX-24DC-1/2" with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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