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-7BE347A2BA
Generated	2026-11-18

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 > Trabtech (TT)

Additional Product Information

Key Commercial Data
Orderkey 2800035
Packing unit 1 pc
Catalog page Page 130 (C-4-2017)
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 <= 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 & 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 ICat UC <= 5 µA
Residual current IPE <= 2 µA
Nominal discharge current In(8/20) µs (line-line) 260 A
Nominal discharge current In(8/20) µs (line-earth) 10 kA
Pulse discharge current Iimp(10/350) µs 1 kA
Total discharge current Itotal(8/20) µs 20 kA
Total discharge current Itotal(10/350) µs 2 kA
Max. discharge current Imax(8/20) µs maximum (line-line) 260 A
Max. discharge current Imax(8/20) µs maximum (line-earth) 20 kA
Nominal pulse current Ian (10/1000) µs (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 Up(line-line) <= 65 V (C3 - 10 A)
Voltage protection level Up(line-...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-EX-24DC-1/2" 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.