

INDUSTRIAL COMPONENT DATA

S-PT-EX-48DC-1/2" 2800054 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-EX-48DC-1/2"



Manufacturer	PHOENIX CONTACT
MPN / Reference	S-PT-EX-48DC-1/2"
Catalog number	2800054
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-9583FDBD64
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 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)
--------------	---------------------------------

Additional Product Information

Key Commercial Data

Orderkey 2800054

Packing unit 1 pc

Note Made to Order (non-returnable)

Catalog page Page 130 (C-4-2017)

GTIN 4046356445689

Weight per Piece (excluding packing) 198.620 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 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 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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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