INDUSTRIAL COMPONENT DATA

S-PT-4-EX-24DC-1/2" 2800037 PHOENIX CONTACT Surge protection device

Brand: PHOENIX CONTACT | Manufacturer Part Number: S-PT-4-EX-24DC-1/2"



Manufacturer	PHOENIX CONTACT
MPN / Reference	S-PT-4-EX-24DC-1/2"
Catalog number	2800037
Category	Combined arrester for data networks/MCR-technology
Minimum order	1 Pcs
Document ID	EO-41C95ACA90
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Product Overview

Surge protection device
Two-level surge protection for three or four potential-free driven signal circuit signals to ground on the IP67 rated spin-on module for sensor heads, 1/2 in. 14 NPT. 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-stage surge protection for three or four signals of floating signal circuits in the screw-on module with IP67 degree of protection for sensor heads, connection ½-inch 14 NPT. Tested in accordance with the following types of protection in Ex areas: Ex d/Ex tD/Ex ia IIC/Ex iaD. Suitable for use in the fieldbus system in accordance with the FISCO concept, HART-compatible. 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

Technical dataProduct propertiesProduct type Surge protection for MCR technology
Product family SURGETRAB
IEC test classification C1
C2
C3
D1
Type Screw-in module

Number of positions 4
Data management status
Article revision 08
Insulation characteristics
Overvoltage category III
Pollution degree 2
Electrical propertiesNominal voltage UN 24 V DC
Connection dataConnection method Individual wires
Ex dataMaximum inner capacitance Ci 1.65 nF
Max. internal inductance Li 1 µH
Max. input current Ii 500 mA (T4 / <= 75 °C)
500 mA (T5 / <= 75 °C)
500 mA (T6 / <= 60 °C)
Max. input voltage Ui 36 V DC
max. input power Pi 3.00 W
Insulation voltage to ground 500 V AC
Ambient temperature (operation) -40 °C ... 75 °C (T4)
-40 °C ... 75 °C (T5)
-40 °C ... 60 °C (T6)
Operating temperature range -40 °C ... 100 °C (T4)
-40 °C ... 75 °C (T5)
-40 °C ... 60 °C (T6)
Max. surface temperature 135 °C (T4)
100 °C (T5)
85 °C (T6)
DimensionsDimensional drawing
Width 28 mm
Height 28 mm
Depth 79 mm
Material specificationsColor Steel/stainless steel color
Housing material Stainless steel 1.4404
ASTM 316L
Mechanical propertiesMechanical data
Open side panel No
Protective circuitDirection of action Line-Line & Line-Earth Ground
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-ground) 10 kA
Pulse discharge current Iimp(10/350) µs 1 kA
Total discharge...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / S-PT-4-EX-24DC-1/2" with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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