INDUSTRIAL COMPONENT DATA

# VAL-MS-T1/T2 48/12.5/1+1/1U/FM 2909629 PHOENIX CONTACT Lightning/surge arrester type 1/2

**Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS-T1/T2 48/12.5/1+1/1U/FM**



| | |
|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | VAL-MS-T1/T2 48/12.5/1+1/1U/FM |
| Catalog number | 2909629 |
| Category | Surge protection device for power supply systems |
| Minimum order | 6 Pcs |
| Document ID | EO-D1CF66C9FB |
| Generated | 2026-11-19 |

## Product Overview

Lightning/surge arrester type 1/2
Universal pluggable lightning/surge arrester with varistors for -48VDC applications where the return conductor (positive pole) has been grounded, without risk assessment for lightning protection classes III and IV with remote indication contact.

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 2909629
Packing unit 6 pc
Minimum order quantity 6 pc
Note Made to Order (non-returnable)
Catalog page Page 39 (C-4-2017)
GTIN 4055626370545
Weight per Piece (excluding packing) 222.220 g
Custom tariff number 85363010
Country of origin US (United States)
Dimensions
Height 40.6 mm
Width 70.6 mm

Depth 98.1 mm
Height unit 1 U
Ambient conditions
Degree of protection IP20 (only when all terminal points are used)
Ambient temperature (operation) -40 °C ... 80 °C
Ambient temperature (storage/transport) -40 °C ... 80 °C
Altitude <= 2000 m (amsl (above mean sea level))
Permissible humidity (operation) 5 % ... 95 %
Shock (operation) 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation) 7.5g (10 ... 500 Hz / 2.5 h / X, Y, Z)
General
IEC test classification I / II
T2
I
EN type T1 / T2
IEC power supply system TN-S
Mode of protection L-N
N-PE
Mounting type Panel mount
Color gray
Housing material PA 6.6
PBT
Degree of pollution 2
Flammability rating according to UL 94 V-0
Type DIN rail module, two-section, divisible
Surge protection fault message Optical, remote indicator contact
Additional descriptions
Note For installation into a touch protected cabinet. For applications with UC> 500 V distances at the side and distances at the connection area must be minimum of 5 mm between different active parts including earthed parts.
Protective circuit
Nominal voltage UN 60 V AC ±10 % (TN-S)
-48 V DC ±10 % (RRH)
Nominal frequency fN 50 Hz (60 Hz)
Maximum continuous....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS-T1/T2 48/12.5/1+1/1U/FM 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.