

**INDUSTRIAL COMPONENT DATA**

# VAL-MS 120 ST 2807586 PHOENIX CONTACT Type 2 surge protection plug

Brand: PHOENIX CONTACT | Manufacturer Part Number: VAL-MS 120 ST



|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| Manufacturer    | PHOENIX CONTACT                                                   |
| MPN / Reference | VAL-MS 120 ST                                                     |
| Catalog number  | 2807586                                                           |
| Category        | Accessories/spare parts for surge protection power supply systems |
| Minimum order   | 10 Pcs                                                            |
| Document ID     | EO-3AE7028BC7                                                     |
| Generated       | 2026-07-29                                                        |

## Product Overview

Type 2 surge protection plug

Plug-in type 2 surge protection with high-power varistor for VAL-MS base element, with thermal control, optical fault indication. Execution: 120 V AC

**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 2807586

Packing unit 10 pc

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GTIN 4017918075279

Weight per Piece (excluding packing) 34.400 g

Custom tariff number 85363010

Country of origin DE (Germany)

Dimensions

Height 52.4 mm

Width 17.5 mm

Depth 55.3 mm

Horizontal pitch 1 Div.

Ambient conditions

Degree of protection IP20

Ambient temperature (operation) -40 °C ... 80 °C

Ambient temperature (storage/transport) -40 °C ... 80 °C

Altitude  $\leq$  2000 m (amsl (above mean sea level))

Permissible humidity (operation) 5 % ... 95 %

Shock (operation) 25g (Half-sine / 11 ms / 3x  $\pm$ X,  $\pm$ Y,  $\pm$ Z)

Vibration (operation) 5g (10 ... 500 Hz / 2.5 h / X, Y, Z)

General

IEC test classification II

T2

EN type T2

IEC power supply system TN

Mode of protection L-N

L-PEN

Mounting type on base element

Color jet black RAL 9005

Housing material PA 6.6

Degree of pollution 2

Flammability rating according to UL 94 V-0

Type DIN rail module, two-section, divisible

Number of positions 1

Arrester can be tested with CHECKMASTER from software version: From SW rev. 1.10

Surge protection fault message optical

Protective circuit

Nominal voltage UN 120/208 V AC (TN)

Nominal frequency fN 50 Hz (60 Hz)

Maximum continuous voltage UC 150 V AC

Residual current IPE  $\leq$  0.45 mA

Standby power consumption PC  $\leq$  70 mVA

Nominal discharge current  $I_n(8/20)$   $\mu$ s 20 kA

Maximum discharge current  $I_{max}(8/20)$   $\mu$ s 40 kA

Short-circuit current rating ISCCR 25 kA

Voltage protection level Up  $\leq$  0.9 kV

Residual voltage Ures  $\leq$  0.9 kV (at  $I_n$ )

$\leq$  0...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / VAL-MS 120 ST 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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