

Type 2 surge protection connector - VAL-MS 120-UD-ST - 2858292

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Surge protection connector type 2 with high-capacity varistor for VAL-MS base element, thermal monitoring, visual fault warning. Design: 120 V AC



Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Catalog page | Page 36 (TT-2011) |
| GTIN |  4 017918 878061 |
| Custom tariff number | 85363010 |
| Country of origin | GERMANY |

Technical data

Standards

| | |
|--|---|
| Housing material | PA 6.6-FR |
| Inflammability class according to UL 94 | V0 |
| Color | black |
| Degree of protection | IP20 |
| Mounting type | On base element |
| Design | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Arrester can be tested with CHECKMASTER from software version: | From SW rev. 1.10 |
| Message: Surge protection fault | Optical |
| Direction of action | 1L-N/PE |
| Width | 17.7 mm |
| Height | 52.4 mm |
| Depth | 54.5 mm |
| Pitch unit | 1 Div. |

Protective circuit

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Technical data

Protective circuit

| | |
|---|------------------------------|
| IEC category | II |
| IEC category | T2 |
| EN type | T2 |
| Nominal voltage UN | 120 V AC |
| Arrester rated voltage UC | 150 V |
| Ground conductor current IPE | ≤ 0.3 mA |
| Max. discharge surge current I _{max} (8/20) μs | 40 kA |
| Nominal discharge surge current I _n (8/20) μs | 20 kA |
| Lightning test current (10/350) μs, peak value I _{imp} | 4 kA (2 As) |
| Max. energy absorption (2 ms) | 360 J |
| Protection level U _p | ≤ 800 V |
| Residual voltage | ≤ 550 V (at 5 kA) |
| Residual voltage | ≤ 800 V (at I _n) |
| Residual voltage | ≤ 550 V (at 3 kA) |
| Response time | ≤ 25 ns |
| Max. required backup fuse with branch wiring | 125 A (gL) |
| Short-circuit resistance IP with max. backup fuse (effective) | 25 kA |
| Capacity | 4.8 nF (typical) |

Connection, protective circuit

| | |
|-------------------|--|
| Connection method | FLASHTRAB/VALVETRAB plug-in system connector |
|-------------------|--|

Remote indicator contact

Standards

| | |
|-----------------------|------------------|
| Standards/regulations | IEC 61643-1 2005 |
| Standards/regulations | NF C61-740 |

Classifications

eclass

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130805 |
| eCl@ss 7.0 | 27130805 |

etim

| | |
|----------|----------|
| ETIM 2.0 | EC000941 |
| ETIM 3.0 | EC000941 |
| ETIM 4.0 | EC000941 |
| ETIM 5.0 | EC000941 |

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Classifications

unspsc

| | |
|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

UL Recognized / KEMA-KEUR / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

KEMA-KEUR

cUL Recognized

GOST

cULus Recognized

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Accessories

Accessories

Marking

Zack marker strip - ZBN 18,LGS:ERDE - 2749589



Zack marker strip, Strip, white, Labeled, Horizontal: Grounding symbol, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Zack marker strip - ZBN 18,LGS:L1-N,ERDE - 2749576



Zack marker strip, Strip, white, Labeled, Horizontal: L1, L2, L3, N, GND, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
