

Type 2 surge protection device - VAL-MS+TE-AR 75 VF/P-FM - 2906318

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Why buy this product

- With floating remote indication contact
- Separate field and house wire termination.
- Tool-free field wire disconnect and test point.
- Isolated field and house wire (4-post equivalent)
- IP20 touch safe when connected.
- Zero leakage current

Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4055626064185 |
| Weight per Piece (excluding packing) | 300.000 g |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 113 mm |
| Width | 17.7 mm |
| Depth | 78 mm |

Ambient conditions

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Ambient conditions

| | |
|--|-------------------------------|
| Degree of protection | IP20 |
| | IP20 (when disconnect closed) |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Altitude | max. 3000 m |
| Permissible humidity (operation) | 5 % ... 95 % |
| Permissible humidity (storage/transport) | 5 % ... 95 % |
| Shock (operation) | 10g |
| Vibration (operation) | 2g (0 ... 200 Hz) |

General

| | |
|--|---|
| Housing material | PA |
| Flammability rating according to UL 94 | V0 |
| Color | black |
| Total surge current (8/20) μ s | 25 kA |
| Total surge current (10/350) μ s | 3 kA |
| Mounting type | DIN rail mounting with additional retaining screw |
| Design | DIN rail module, two-section, divisible |
| Surge protection fault message | Optical, remote indicator contact |
| | Optical, remote indicator contact |
| Direction of action | 1L-N/PE |

Protective circuit

| | |
|---|------------------------|
| IEC test classification | II |
| | T2 |
| EN type | T2 |
| | T2 |
| Maximum continuous operating voltage U_c | 100 V DC |
| | 75 V AC |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Rated load current I_L | 55 A (with 6 AWG) |
| Max. discharge current I_{max} (8/20) μ s | 20 kA |
| Nominal discharge current I_n (8/20) μ s | 10 kA |
| Voltage protection level U_p | ≤ 1.4 kV |
| Residual voltage | ≤ 350 V (at 5 kA) |
| | ≤ 300 V (at 3 kA) |
| | ≤ 450 V |
| Max. backup fuse with branch wiring | 63 A (gG) |
| | 63 A (gG) |

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Protective circuit

| | |
|--|-------|
| Short-circuit resistance I_p with max. backup fuse (effective) | 10 kA |
| | 10 kA |

Connection, protective circuit

| | |
|-----------------------------|---------------|
| Conductor cross section AWG | 15 ... 2 (UL) |
| | 20 ... 6 |
| | 12 ... 4 |

Remote indication contact

| | |
|--|--|
| Connection name | Remote fault indicator contact |
| Switching function | PDT, 1-pos. |
| Connection method | Screw connection |
| Screw thread | M2 |
| Tightening torque | 0.25 Nm |
| | 2 lb _f -in. ... 4 lb _f -in. (UL) |
| Stripping length | 7 mm |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section AWG min. | 28 |
| Conductor cross section AWG max. | 16 |
| Maximum operating voltage U_{max} AC | 250 V AC |
| Max. operating current I_{max} | 1.5 A AC (250 V AC) |
| | 1.5 A DC (30 V DC) |

Drawings

Dimensional drawing

