

Type 2 surge protection device - VAL-MS+TE-AR 350 VF/P-FM - 2906320

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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

RoHS

Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 STK |
| GTIN | |
| GTIN | 4055626064192 |
| Weight per Piece (excluding packing) | 230.000 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 | 15 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 | 350 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 | ≤ 1.2 kV |
| Residual voltage | ≤ 1 kV (at 5 kA) |
| Max. backup fuse with branch wiring | 125 A (gG) |
| | 125 A (gG) |
| Short-circuit resistance I_p with max. backup fuse (effective) | 25 kA |
| | 25 kA |

Connection, protective circuit

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Connection, protective circuit

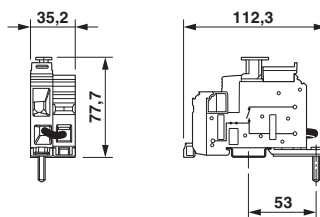
| | |
|-----------------------------|---------------|
| Conductor cross section AWG | 15 ... 2 (UL) |
| | 20 ... 6 |
| | 12 ... 4 |

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



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130802 |
| eCl@ss 8.0 | 27130805 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 27130805 |
|------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002497 |
| ETIM 5.0 | EC000941 |
| ETIM 6.0 | EC000941 |

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121620 |
|-------------|----------|

Accessories

Accessories

Bridge

Wiring bridge - MPB 18/1-57 - 2809238



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

Wiring bridge - MPB 18/1- 2 - 2809209



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.

Wiring bridge - MPB 18/1-12 - 2748593



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.

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Accessories

Plug-in bridge - FBS 2-18 - 2801068



Plug-in bridge for cross-connections in the VAL-MS BE-AR terminal center, 2-pos., color: Red

Insertion bridge

Insertion bridge - EB 56-18 - 3009299



Insertion bridge, Pitch: 18 mm, Number of positions: 56, Color: gray

Screwdriver tools

Screwdriver - SZS 0,8X4,0 VDE - 1212508



Screwdriver, slot-headed, VDE insulated, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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Accessories

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