



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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 |
| 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

| | |
|---------------------------------|-------------------------------|
| Degree of protection | IP20 |
| | IP20 (when disconnect closed) |
| Ambient temperature (operation) | -40 °C ... 80 °C |

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Ambient conditions

| | |
|--|-------------------|
| 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 |
| Type | 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

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

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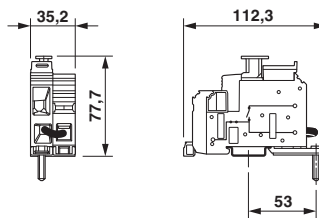
Technical data

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 |
| eCl@ss 9.0 | 27130805 |

ETIM

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

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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.

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

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Accessories

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