

Type 2 surge protection base element - VAL-MS-T1/T2 BE/O - 2905650

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Base element for type 1/2 arresters from the VALVETRAB MS T1/T2 product range. Version: 1-channel

FM version shown

Product Features

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Versions with and without floating remote indication contact
- ✓ Rack-mount 2U panel applications
- ✓ Accepts Type 1 and Type 2 VAL-MS plugs.
- ✓ Coding when protective plug is inserted for the first time
- ✓ DIN rail mounting



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 145.83 g |
| Custom tariff number | 85363030 |
| Country of origin | United States |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 77.1 mm |
| Width | 17.6 mm |
| Depth | 89.2 mm |

Ambient conditions

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

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Ambient conditions

| | |
|----------------------------------|--------------|
| Altitude | max. 2000 m |
| Permissible humidity (operation) | 5 % ... 95 % |
| Shock (operation) | 25g |
| Vibration (operation) | 5g |

General

| | |
|--|---|
| Housing material | PBT |
| Flammability rating according to UL 94 | V0 |
| Color | black |
| Mounting type | DIN rail: 35 mm |
| Type | DIN rail module, two-section, divisible |
| Number of positions | 1 |

Protective circuit

| | |
|--|---|
| IEC test classification | I / II |
| | T1 / T2 |
| EN type | T1 / T2 |
| Maximum continuous operating voltage U_c | 600 V AC |
| | 600 V AC |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Rated load current I_L | 80 A (with serial 16mm ² through wiring) |
| | 80 A (with serial 16mm ² through wiring) |
| Max. backup fuse with branch wiring | 160 A (gL/gG) |
| Max. backup fuse with V-type through wiring | 80 A AC (gL/gG) |
| Short-circuit resistance I_p with max. backup fuse (effective) | 25 kA |
| Short-circuit current rating I_{SCCR} | 25 kA |

Connection, protective circuit

| | |
|---------------------------------------|--------------------------------|
| Connection method | Biconnect terminal blocks |
| Connection type IN | Biconnect screw terminal block |
| Connection type OUT | Biconnect screw terminal block |
| Connection method | Biconnect terminal block |
| Screw thread | M5 |
| Tightening torque | 4.5 Nm |
| | 30 lb _F -in. (UL) |
| Stripping length | 16 mm |
| Conductor cross section flexible min. | 1.5 mm ² |
| Conductor cross section flexible max. | 25 mm ² |
| Conductor cross section solid min. | 1.5 mm ² |

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Connection, protective circuit

| | |
|------------------------------------|--------------------|
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section AWG min. | 15 |
| Conductor cross section AWG max. | 2 |
| AWG conductor cross section | 15 ... 2 (IEC) |
| | 10 ... 2 (UL) |

Standards and Regulations

| | |
|-----------------------|----------------------|
| Standards/regulations | IEC 61643-1 2005 |
| | EN 61643-11/A11 2007 |

Classifications

eCl@ss

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

Approvals

Approvals

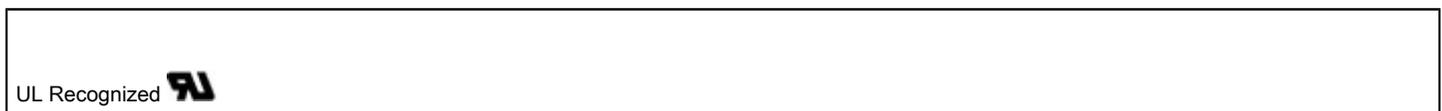
Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

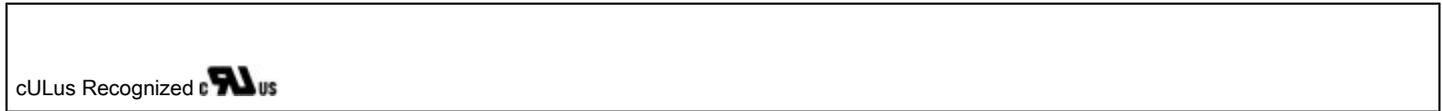
Approvals submitted

Approval details



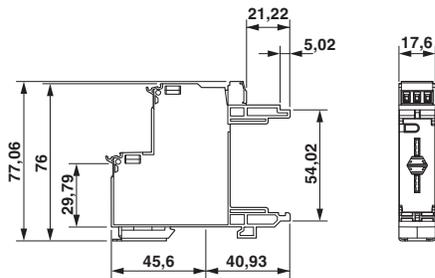
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Approvals

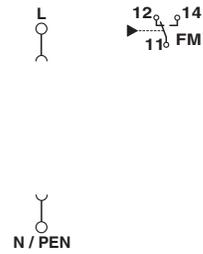


Drawings

Dimensional drawing



Circuit diagram



FM version shown

FM version shown