

2907879

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Replacement plug for surge protective devices from the VALVETRAB SEC product range for DC power sources.

Your advantages

- · Surge protection family for universal use with optimum energy coordination from the lightning current arrester to the device protection
- · Easy to maintain due to consistently pluggable protection modules
- · Excellent level of information provided by mechanical/visual status indicator and remote indication contact
- Extremely narrow design, just 12 mm per position
- · Varistor arrester with a low leakage current

Commercial data

| Item number | 2907879 |
|--------------------------------------|--------------------------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | CL01 |
| Product key | CL1353 |
| GTIN | 4055626245041 |
| Weight per piece (including packing) | 61.2 g |
| Weight per piece (excluding packing) | 47.35 g |
| Customs tariff number | 85363090 |
| Country of origin | DE |



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Technical data

Product properties

| Product type | Replacement plug |
|--------------------------------|------------------|
| Product family | SEC Family |
| IEC test classification | II |
| | T2 |
| EN type | T2 |
| IEC power supply system | DC |
| Туре | Male |
| Number of positions | 1 |
| Surge protection fault message | optical |

Insulation characteristics

| Overvoltage category | III |
|----------------------|-----|
| Pollution degree | 2 |

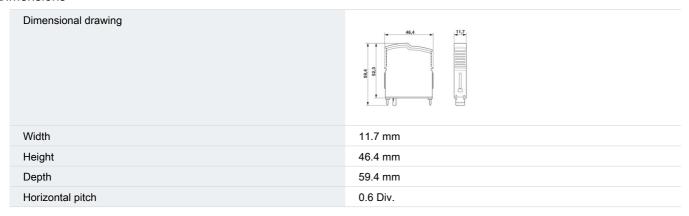
Electrical properties

| Nominal voltage U _N 200 V DC | 220 V DC |
|---|----------|
|---|----------|

Connection data

| Connection method | pluggable |
|-------------------|-----------|
|-------------------|-----------|

Dimensions



Material specifications

| Color | light gray (RAL 7035) |
|--|-----------------------|
| Flammability rating according to UL 94 | V-0 |
| CTI value of material | 600 |
| Insulating material | PA6.6-FR 20% GF |
| | PBT-FR |
| Material group | I |
| Housing material | PA 6.6-FR 20 % GF |
| | PBT-FR |



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Protective circuit

| Mode of protection | (DC+) - (DC-) |
|--|---|
| | (DC+/DC-) - PE |
| Direction of action | (DC+/DC-) - PE |
| Nominal voltage U _N | 200 V DC 220 V DC |
| Maximum continuous operating voltage U _C | 250 V DC |
| Protective conductor current I _{PE} | ≤ 5 µA DC |
| Nominal discharge current I _n (8/20) μs | 20 kA |
| Maximum discharge current I _{max} (8/20) μs | 40 kA |
| Impulse discharge current (10/350) μs, charge | 0.5 As |
| Impulse discharge current (10/350) μs, specific energy | 0.25 kJ/Ω |
| Impulse discharge current (10/350) μs, peak value l _{imp} | 1 kA |
| Short-circuit current rating I _{SCCR} | 0.2 kA (without backup fuse) |
| | 6 kA (for 20 A gG/B backup fuse) |
| Voltage protection level U _p | ≤ 1.5 kV |
| Residual voltage U _{res} | ≤ 1.5 kV (at I _n) |
| | ≤ 1.3 kV (at 10 kA) |
| | ≤ 1.2 kV (at 5 kA) |
| | ≤ 1.1 kV (at 4 kA) |
| | ≤ 1 kV (at 2 kA) |
| TOV behavior at U _T | 320 V DC (5 s / withstand mode) |
| Response time t _A | ≤ 25 ns |
| Max. backup fuse with V-type through wiring | 20 A (gG / B at I _{SCCR} > 200 A) |
| Max. backup fuse with branch wiring | 20 A (gG / B at I _{SCCR} > 200 A) |
| ditional technical data | |
| Maximum continuous operating voltage U _C | 264 V AC (for operation in safety lighting systems) |

Environmental and real-life conditions

Ambient conditions

| Degree of protection | IP20 |
|---|---|
| Ambient temperature (operation) | -40 °C 80 °C |
| Ambient temperature (storage/transport) | -40 °C 80 °C |
| Altitude | ≤ 6000 m (amsl) |
| Permissible humidity (operation) | 5 % 95 % |
| Shock (operation) | 30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z) |
| Vibration (operation) | 5g (10 500 Hz / 2.5 h / X, Y, Z) |

Approvals

UL specifications

| Maximum continuous operating voltage MCOV | 250 V DC |
|---|-----------|
| Nominal discharge current I _n | 20 kA |
| Mode of protection | (DC+) - G |



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| | | (DC-) - G |
|---------------------------|-------------------------------|-----------------|
| N | Nominal voltage | 220 V DC |
| F | Power distribution system | DC |
| N | Measured limiting voltage MLV | 1640 V |
| S | SPD Type | 4CA |
| Standards and regulations | | |
| S | Standards/specifications | IEC 61643-11 |
| N | Note | 2011 |
| EN | 61643-11 | |
| S | Standards/specifications | EN 61643-11 |
| N | Note | 2012 |
| Moun | nting | |
| N | Mounting type | on base element |

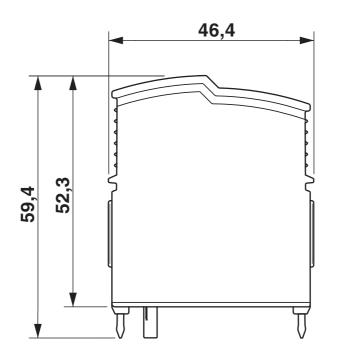


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Drawings

Dimensional drawing





Circuit diagram





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Approvals

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cUL Recognized

Approval ID: FILE E 330181



UL Recognized

Approval ID: FILE E 330181

UAE-RoHS

Approval ID: 23-10-88707



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Classifications

ECLASS

| | ECLASS-13.0 | 27171292 | | |
|-----|---------------|----------|--|--|
| | ECLASS-15.0 | 27171292 | | |
| | | | | |
| ΕT | ETIM | | | |
| | ETIM 9.0 | EC002496 | | |
| LIN | NSPSC | | | |
| Oi | 101 00 | | | |
| | UNSPSC 21.0 | 39121600 | | |



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Environmental product compliance

EU RoHS

| Yes, No exemptions | | |
|--|--|--|
| | | |
| EFUP-E | | |
| No hazardous substances above the limits | | |
| EU REACH SVHC | | |
| No substance above 0.1 wt% | | |
| | | |

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