

VSSC
VSSC6 MOV 48VAC/DC**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Overvoltage protection with individual components with varistors in terminal design
The metal-oxide varistors can be used in terminal design. They are approved for a maximum sine-wave-form power-frequency operating voltage, which is printed on the component. Any voltages greater than the permitted maximum are discharged safely within 25 ns. Varistors are used for medium to high power.

General ordering data

| | |
|------------|--|
| Type | VSSC6 MOV 48VAC/DC |
| Order No. | 1064570000 |
| Version | Surge protection for instrumentation and control, 48 V, 68 V, 12 A, According to IEC61643-21 |
| GTIN (EAN) | 4032248829880 |
| Qty. | 8 pc(s). |

Creation date May 1, 2020 3:08:38 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|------------|----------|-----------------|------------|
| Width | 6.2 mm | Width (inches) | 0.244 inch |
| Height | 88.5 mm | Height (inches) | 3.484 inch |
| Depth | 81 mm | Depth (inches) | 3.189 inch |
| Net weight | 49.375 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Humidity | 5...96 % | Operating temperature, max. | 70 °C |
| Operating temperature, min. | -40 °C | Storage temperature, max. | 80 °C |
| Storage temperature, min. | -40 °C | Operating temperature | -40 °C...70 °C |
| Storage temperature | -40 °C...80 °C | | |

Probability of failure

| | | | |
|------------------------------------|----|------|-------------|
| λges | 26 | MTTF | 4,391 Jahre |
| PFH in 1*10 ⁻⁹ per hour | 0 | SFF | 100 % |
| SIL in compliance with IEC 61508 | 3 | | |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Rated data UL

| | | | |
|----------------------|---------|----------------|---------------|
| Certificate No. (UL) | E311081 | UL certificate | UL Zertifikat |
|----------------------|---------|----------------|---------------|

CSA protection data

| | | | |
|--|------|--|--------|
| Gas group C | IIB | Gas group D | IIA |
| Gas groups A, B | IIC | Input current, max. I _i | 12 A |
| Input voltage, max. U _i | 85 V | Internal capacity, max. C _i | 3,3 nF |
| Internal inductance, max. L _i | 0 μH | | |

General data

| | | | |
|--------------------|---|---------------------------|----------|
| Colour | black | Design | Terminal |
| Isolating function | No | Optical function display | No |
| Protection degree | IP20 | Rail | TS 35 |
| Segment | Measurement - Monitoring - Setting | UL 94 flammability rating | V-0 |
| Version | Surge protection for measurement and control | | |

Insulation coordination acc. to EN 50178

| | | | |
|--------------------|---|------------------------|-----|
| Pollution severity | 2 | Surge voltage category | III |
|--------------------|---|------------------------|-----|

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Technical data**Rated data IEC / EN**

| | | | |
|--|--------------------------|--|----------------------------------|
| Rated voltage (AC) | 48 V | Rated voltage (DC) | 68 V |
| Voltage type | AC/DC | Max. continuous voltage, U _c (AC) | 60 V |
| Max. continuous voltage, U _c (DC) | 85 V | Discharge current, max. (8/20 μs) | 9 kA |
| Discharge current I _n (8/20 μs) wire-PE | 1 kA | Discharge current I _{max} (8/20 μs) wire-PE | 4.5 kA |
| Standards | According to IEC61643-21 | Protection level U _p (typ.) | 250 V |
| Capacitance | 2.0 nF | Number of poles | 1 |
| Overload - failure mode | Mode 1 | Rated current I _N | 12 A |
| Requirements category acc. to IEC 61643-21 | C1, C2 | Surge current-carrying capacity C1 | 0.5 kA 8/20 μs 1 kV 1.2/50 μs |
| Surge current-carrying capacity C2 | 1 kA 8/20 μs | Volume resistance | < 0.1 Ω |

Further details of approvals

| | |
|------------------|-----------------|
| GOST certificate | GOST-Zertifikat |
|------------------|-----------------|

Connection data

| | | | |
|--|-------------------|--|---------------------|
| Type of connection | Screw connection | Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.8 Nm | Clamping range, min. | 0.5 mm ² |
| Clamping range, max. | 4 mm ² | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire cross-section, solid, max. | 6 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.5 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 4 mm ² | Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection cross-section, stranded, max. | 4 mm ² | | |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000943 | ETIM 7.0 | EC000943 |
| eClass 9.0 | 27-13-08-07 | eClass 9.1 | 27-13-08-07 |
| eClass 10.0 | 27-13-08-07 | UNSPSC | 30-21-18-11 |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | SIL Paper CE PAPER Declaration of Conformity |
| Brochure/Catalogue | CAT 4.4 ELECTR 16/17 EN |
| Engineering Data | EPLAN, WSCAD |
| Engineering Data | STEP |
| User Documentation | Instruction sheet VSSC |

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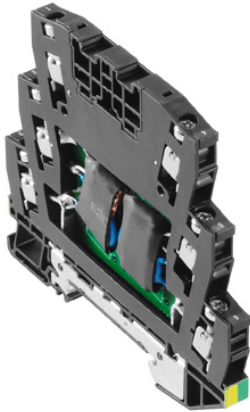
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Data sheet

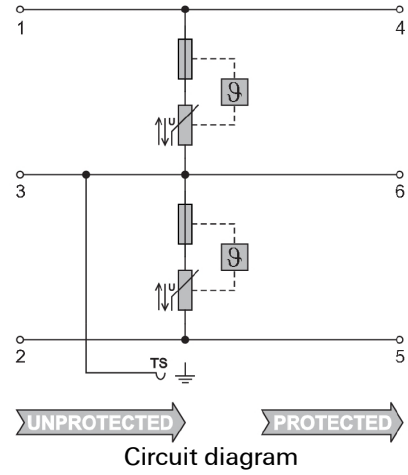
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Drawings



Similar to illustration



Circuit diagram

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Accessories
Blank


The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

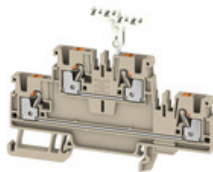
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | DEK 5/5 MC NE WS | Version |
| Order No. | 1609801044 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

SnapMark


SnapMark - this tag carrier has been developed specifically for the I-series double-level terminal IDK 1.5N. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can hold four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | SNAPMARK I | Version |
| Order No. | 1805880000 | Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248273614 | Weidmueller, white |
| Qty. | 50 pc(s). | |