

**VSSC**  
**VSSC4 RC 240VAC/DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Similar to illustration

Surge protection with individual components

- With suppressor circuitry / RC circuitry
- Can be used to fix solenoid valves

**General ordering data**

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| Type       | VSSC4 RC 240VAC/DC                                                                    |
| Order No.  | <a href="#">1064130000</a>                                                            |
| Version    | Surge protection for instrumentation and control,<br>240 V, 339 V, 20 A, IEC 61643-21 |
| GTIN (EAN) | 4032248829538                                                                         |
| Qty.       | 5 pc(s).                                                                              |

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 12.4 mm | Width (inches)  | 0.488 inch |
| Height     | 76 mm   | Height (inches) | 2.992 inch |
| Depth      | 58.5 mm | Depth (inches)  | 2.303 inch |
| Net weight | 35 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**

|                                   |      |      |             |
|-----------------------------------|------|------|-------------|
| $\lambda_{ges}$                   | 28.2 | MTTF | 4,048 Jahre |
| PFH in $1 \cdot 10^{-9}$ per hour | 80   | SFF  | 97.16 %     |
| 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. $I_i$     | 16 A   |
| Input voltage, max. $U_i$       | 407 V     | Internal capacity, max. $C_i$ | 222 nF |
| Internal inductance, max. $L_i$ | 0 $\mu$ H |                               |        |

**General data**

|                           |       |                          |                                                 |
|---------------------------|-------|--------------------------|-------------------------------------------------|
| Colour                    | black | Design                   | Terminal                                        |
| Isolating function        | No    | Optical function display | No                                              |
| Protection degree         | IP20  | Segment                  | Measurement - Monitoring<br>- Setting           |
| UL 94 flammability rating | V-0   | Version                  | Surge protection for<br>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**

|                                            |                                     |                                          |              |
|--------------------------------------------|-------------------------------------|------------------------------------------|--------------|
| Capacitance                                | 220 nF                              | Discharge current $I_n$ (8/20µs) wire-PE | 1.2 kA       |
| Discharge current, max. (8/20 µs)          | 2.5 kA                              | Max. continuous voltage, $U_c$ (AC)      | 275 V        |
| Max. continuous voltage, $U_c$ (DC)        | 388 V                               | Overload - failure mode                  | Mode 1       |
| Protection level $U_p$ (typ.)              | < 500 V                             | Rated current $I_N$                      | 20 A         |
| Rated voltage (AC)                         | 240 V                               | Rated voltage (DC)                       | 339 V        |
| Requirements category acc. to IEC 61643-21 | C1                                  | Standards                                | IEC 61643-21 |
| Surge current-carrying capacity C1         | 0.25 kA 8/20 µs 0.5 kV<br>1.2/50 µs | Voltage type                             | AC/DC        |
| 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 <sup>2</sup> |
| Clamping range, max.                                       | 4 mm <sup>2</sup> | Wire cross-section, solid, min.                            | 0.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.                            | 6 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 4 mm <sup>2</sup> | Connection cross-section, stranded, min.                   | 0.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                   | 4 mm <sup>2</sup> |                                                            |                     |

**Ratings IECEx/ATEX/cUL**

|                 |                 |
|-----------------|-----------------|
| cUL certificate | cUL Certificate |
|-----------------|-----------------|

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000943    | ETIM 4.0   | EC000381    |
| ETIM 5.0   | EC000943    | ETIM 6.0   | EC000943    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-27 |
| eClass 6.2 | 27-13-08-02 | eClass 7.1 | 27-13-08-09 |
| eClass 8.1 | 27-13-08-11 | eClass 9.0 | 27-13-08-07 |
| eClass 9.1 | 27-13-08-07 |            |             |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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## Technical data

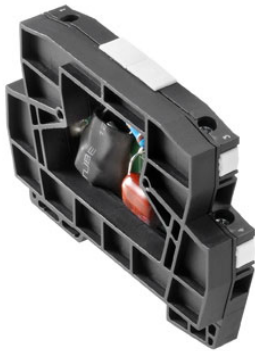
### Downloads

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

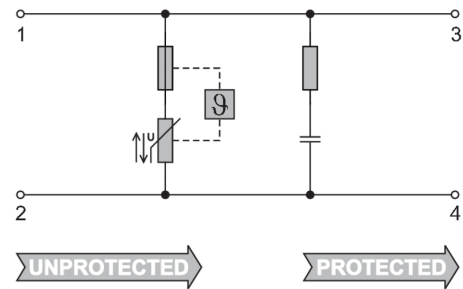
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## Drawings



Similar to illustration



Circuit diagram