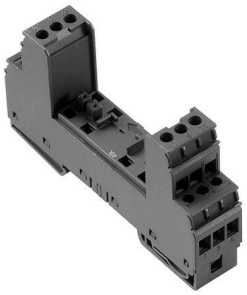
Data sheet

# VSPC BASE 2/4CH R

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Base element for the pluggable VSPC arrester, integrated PE foot in impedance-neutral VSPC BASE. Can safely discharge up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to the PE.

## General ordering data

| | |
|---|---|
| Version | Surge protection, Flange-mounted housing, Flange-mounted housing |
| Order No. | 8951790000 |
| Type | VSPC BASE 2/4CH R |
| GTIN (EAN) | 4032248743032 |
| Qty. | 1 items |



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# Data sheet

## VSPC BASE 2/4CH R

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UL) | E311081 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 69 mm | Depth (inches) | 2.7165 inch |
| Height | 98 mm | Height (inches) | 3.8583 inch |
| Width | 17.8 mm | Width (inches) | 0.7008 inch |
| Net weight | 74 g | | |

### Temperatures

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

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c, 7cI |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 5047b468-d57a-4a1c-8363-2ff1629067e4 |

### Rated data UL

| | | | |
|---|---|---|---|
| Certificate No. (UL) | E311081 | UL certificate | UL 497b Certificate - PDF/ E311081VOL1SEC2.pdf (application/pdf) |

### Connection data, remote alert

| | | | |
|---|---|---|---|
| Cross-section for connected wire, solid core (remote alert), min. | 0.5 mm² | Stripping length | 6 mm |
| Connection type | Screw connection | Cross-section for connected wire, solid core (remote alert), max. | 1.5 mm² |
| Tightening torque (remote alert), max. | 0.2 Nm | | |

### CSA protection data

| | | | |
|---|---|---|---|
| Gas group D | IIA | Gas groups A, B | IIC |
| Input-current, max. II | 300 mA | Gas group C | IIB |
| Internal inductance, max. LI | 0 µH | | |

### General data

| | | | |
|---|---|---|---|
| Optical function display | No | Segment | Measurement - Monitoring - Setting |
| Version | Flange-mounted housing | Design | Terminal, miscellaneous |
| UL 94 flammability rating | V-0 | Colour | black |
| Protection degree | IP20 | Mounting rail | TS 35, TS 35 x 7.5 |



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# Data sheet

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# Technical data

### Insulation coordination acc. to EN 50178

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

### Rated data IEC / EN

| | | | |
|---|---|---|---|
| Signalling contact | UN 250 V AC 0.1 A 1CO at VSPC R with VSPC control unit | Rated current | 10 A |
| Voltage type | AC/DC | Standards | IEC 61643-21, IEC 62305, DIN EN 60079-0.2009, DIN EN 60079-11:2007, DIN EN 60079-26:2007, DIN EN 61241-11:2006 |

### Further details of approvals

| | |
|---|---|
| GOST certificate | GOST-Zertifikat - PDF/7950_n1-n4.pdf (application/pdf) |

### Connection data

| | | | |
|---|---|---|---|
| Stripping length | 7 mm | Type of connection | Screw connection |
| Stripping length (rated connection) | 7 mm | Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.8 Nm | Conductor cross-section (rated connection), min. | 0.5 mm² |
| Conductor cross-section (rated connection), max. | 4 mm² | Wire cross-section, solid, min. | 0.5 mm² |
| Wire cross-section, solid, max. | 4 mm² | Wire connection cross-section, finely stranded, max. | 2.5 mm² |
| Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), min. | 0.5 mm² | Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), max. | 2.5 mm² |
| Connection cross-section, stranded, min. | 0.5 mm² | Connection cross-section, stranded, max. | 2.5 mm² |
| Blade size | 0.6 x 3.5 mm | | |

### Electrical data

| | |
|---|---|
| Voltage type | AC/DC |

### General data

| | | | |
|---|---|---|---|
| Protection degree | IP20 | Colour | black |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000472 | ETIM 9.0 | EC000472 |
| ETIM 10.0 | EC000472 | ECLASS 14.0 | 27-17-15-91 |
| ECLASS 15.0 | 27-17-15-91 | | |



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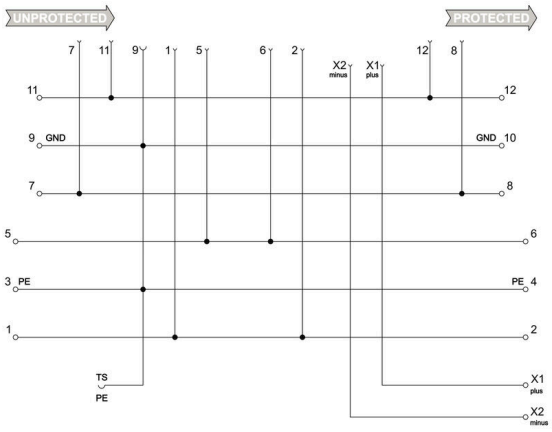
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## Drawings

### Electric symbol




Circuit diagram

| Category | Testing pulse | Surge voltage | Surge current | Pulse | Type |
|---|---|---|---|---|---|
| C1 | Quick-rising edge | 0.5 - 2 kV with 1.2/50 µs | 0.25 - 1 kA mit 8/20 µs | 300 | Surge voltage arrester |
| C2 | Quick-rising edge | 2 - 10 kV with 1.2/50 µs | 1 - 5 kA mit 8/20 µs | 10 | Surge voltage arrester |
| C3 | Quick-rising edge | ≥ 1 kV with 1 kV/µs | 10 - 100 A mit 10/10000 µs | 300 | Surge voltage arrester |
| D1 | High power | ≥ 1 kV | 0.5 - 2.5 kA mit 10/350 µs | 2 | Arrester for lightning current and surge voltages |

Discharge capacity



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