

VSPC VSPC BASE 2/4CH FG R

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Base element for the pluggable VSPC arresters. Integrated PE foot in the base of the impedance-neutral VSPC BASE and **floating earth PE connection (FG)** via integrated **sparkover gap**, safely discharges up to 20 kA (8/20 μ s) and 2.5 kA (10/350 μ s) to PE. Suitable for unearthed signal circuits.

General ordering data

| | |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type | VSPC BASE 2/4CH FG R |
| Order No. | 895180000 |
| Version | Surge protection, Flange-mounted housing, 10 A, 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 |
| GTIN (EAN) | 4032248743049 |
| Qty. | 1 pc(s). |

VSPC
VSPC BASE 2/4CH FG R

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 17.8 mm | Width (inches) | 0.701 inch |
| Height | 98 mm | Height (inches) | 3.858 inch |
| Depth | 69 mm | Depth (inches) | 2.717 inch |
| Net weight | 77 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 | | |

Environmental Product Compliance

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

Rated data UL

| | | | |
|----------------------|---------|----------------|---------------------|
| Certificate No. (UL) | E311081 | UL certificate | UL 497b Certificate |
|----------------------|---------|----------------|---------------------|

Connection data, remote alert

| | | | |
|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|
| Connection type | Screw connection | Max. torque | 0.2 Nm |
| Stripping length | 6 mm | Cross-section for connected wire, solid core, min. | 0.5 mm ² |
| Cross-section for connected wire, solid core, max. | 1.5 mm ² | | |

CSA protection data

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

General data

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

Insulation coordination acc. to EN 50178

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

VSPC
VSPC BASE 2/4CH FG R

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Rated data IEC / EN**

| | | | |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------|
| Dielectric strength at FG against PE | ≥ 500 V | Leakage current at U_n | 0 μ A |
| Rated current I_N | 10 A | Signalling contact | U_N 250 V AC 0.1 A 1CO at VSPC R with VSPC control unit |
| 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 | Voltage type | AC/DC |

Further details of approvals

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

Connection data

| | | | |
|------------------------------------------------------------|---------------------|------------------------------------------------------------|---------------------|
| Type of connection | Screw connection | Stripping length, rated connection | 7 mm |
| 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. | 4 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.5 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 2.5 mm ² | Connection cross-section, stranded, min. | 0.5 mm ² |
| Connection cross-section, stranded, max. | 2.5 mm ² | Blade size | 0.6 x 3.5 mm |

Ratings IECEx/ATEX/cUL

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

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000943 | ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000943 | ETIM 6.0 | EC000472 |
| UNSPSC | 30-21-19-21 | eClass 5.1 | 27-13-08-01 |
| eClass 6.2 | 27-13-08-02 | eClass 7.1 | 27-13-08-09 |
| eClass 8.1 | 27-13-08-11 | eClass 9.0 | 27-13-08-03 |
| eClass 9.1 | 27-13-08-07 | | |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---------------------------------------------|-----------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | 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 |

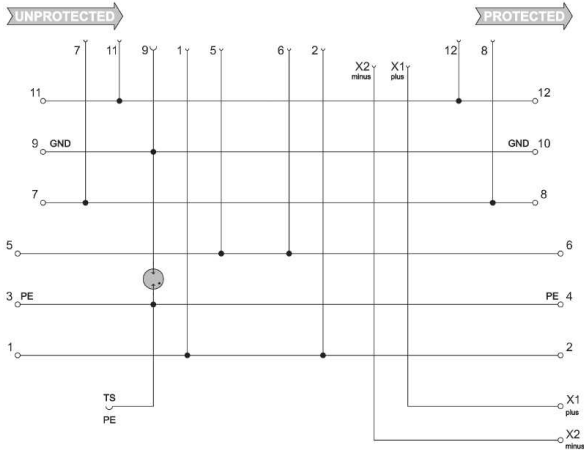
Creation date May 28, 2019 12:36:06 AM CEST

**VSPC
VSPC BASE 2/4CH FG R**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Electric symbol



Circuit diagram

| Cate- gory | 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