

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 μ s) and 2.5 kA (10/350 μ s) 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 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 69 mm | Depth (inches) | 2.717 inch |
| Height | 98 mm | Height (inches) | 3.858 inch |
| Width | 17.8 mm | Width (inches) | 0.701 inch |
| Net weight | 74 g | | |

Temperatures

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

Rated data UL

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

Connection data, remote alert

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

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 |
|--------------------|---|------------------------|-----|

Rated data IEC / EN

| | | | |
|------------------------------|--|--------------------|--|
| 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 |
|------------------|-----------------|

Creation date July 2, 2024 11:18:31 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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Technical data

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 | 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 6.0 | EC000472 | ETIM 7.0 | EC000472 |
| ETIM 8.0 | EC000472 | ETIM 9.0 | EC000472 |
| ECLASS 9.0 | 27-13-08-03 | ECLASS 9.1 | 27-13-08-07 |
| ECLASS 10.0 | 27-13-08-03 | ECLASS 11.0 | 27-13-08-03 |
| ECLASS 12.0 | 27-17-15-91 | ECLASS 13.0 | 27-17-15-91 |

Tender specification sheets

| | | |
|--------------------|---|--|
| Long specification | <p>Base element with remote monitoring option to receive a protected plug with status display for four floating-ground powered cables. When the base unit is fitted, a simultaneous electrically conducting contact is made between the mounting rail (earth) and the reference potential (ground) of the protection circuit in the plug. Mechanical coding of the base element to the protected plug according to switching type and rated voltage. The base unit is coded itself by the first insertion of a protected plug. Mechanical coding of the base element to the protected plug according to switching type and rated voltage. The base unit is coded itself by the first insertion of a protected plug. Optical identification of the protected plug based on the type of protected switching and the voltage level. Possible to mark all terminals</p> | <p>Short specification</p> <p>Base element with remote monitoring option to receive a protected plug with status display for up to four floating-ground powered cables, direct contact of the plug protection circuit to the earth potential. With optional remote monitoring.</p> |
|--------------------|---|--|

VSPC BASE 2/4CH R**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Technical data****Environmental Product Compliance**

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 5047b468-d57a-4a1c-8363-2ff1629067e4 |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | SIL Paper EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Beipackzettel / Instruction sheet |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

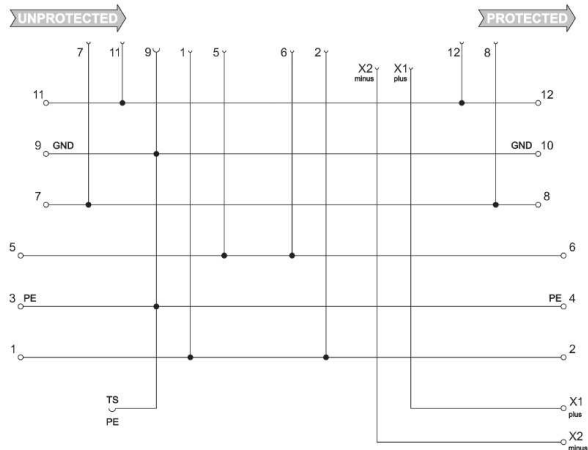
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Drawings

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

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Accessories

Plus



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 PLUS MC NE WS | Version |
| Order No. | 1854490000 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248393596 | Weidmueller, white |
| Qty. | 1,000 pc(s). | |

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|--------------------------|
| Type | SDS 0.4X2.0X60 | Version |
| Order No. | 9037160000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248171613 | |
| Qty. | 1 pc(s). | |

| | | |
|------------|----------------------------|--------------------------|
| Type | SDS 0.6X3.5X200 | Version |
| Order No. | 9010110000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248300754 | |
| Qty. | 1 pc(s). | |

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www.weidmueller.com**Accessories****Earthing module**

- Can be applied to unassigned wires
- Can be used during initial commissioning and maintenance
- All sensor cables connected to the VSPC are earthed.
- Can be plugged into all VSPC base sockets

General ordering data

| | | |
|------------|----------------------------|--|
| Type | VSPC GROUND | Version |
| Order No. | 8924680000 | Adapter, without warning function / function indicator |
| GTIN (EAN) | 4032248696321 | |
| Qty. | 1 pc(s). | |

Supply and alert unit for VSPC R arresters

- Signalling module for all VSPCs with status indicator
- Signalling of cable breaks / signal interruptions
- Power supply of 20 to 31 V DC
- No-voltage changeover contact
- Function display with red/green LED
- Functional alerts with different signal types.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | VSPC CONTROL UNIT 24VDC | Version |
| Order No. | 8972270000 | Surge protection for instrumentation and control, with warning function / function indicator |
| GTIN (EAN) | 4032248793488 | |
| Qty. | 1 pc(s). | |