

**VSPC BASE 4SL 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  $\mu$ s) and 2.5 kA (10/350  $\mu$ s) to the PE.

**General ordering data**

|            |  |
|------------|--|
| Version    | Surge protection, Flange-mounted housing, Flange-mounted housing |
| Order No.  | <a href="#">8951750000</a>                                       |
| Type       | VSPC BASE 4SL R  |
| GTIN (EAN) | 4032248742998  |
| Qty.       | 1 items  |

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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 | 76 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                                   |
| 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/<br>E311081VOL1SEC2.pdf<br>(application/pdf) |
|----------------------|---------|----------------|--|

## Connection data, remote alert

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

## CSA protection data

|                              |        |                 |     |
|------------------------------|--------|-----------------|-----|
| Gas group D                  | IIA    | Gas groups A, B | IIC |
| Input-current, max. II       | 350 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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## 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<br>at VSPC R with VSPC<br>control unit | Rated current I <sub>N</sub> | 300 mA   |
| Voltage type       | AC/DC  | Standards                    | IEC 61643-21, IEC 62305,<br>DIN EN 60079-0:2009,<br>DIN EN 60079-11:2007,<br>DIN EN 60079-26:2007,<br>DIN EN 61241-11:2006 |

## Further details of approvals

|                  |  |
|------------------|--|
| GOST certificate | GOST-Zertifikat -<br>PDF/7950_n1-n4.pdf<br>(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              | 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.                               | 4 mm <sup>2</sup>   | Wire connection cross section, finely<br>stranded, max.       | 2.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH<br>(DIN 46228-1), min. | 0.5 mm <sup>2</sup> | Conductor cross-section, flexible, AEH<br>(DIN 46228-1), max. | 2.5 mm <sup>2</sup> |
| Connection cross-section, stranded, min.                      | 0.5 mm <sup>2</sup> | Connection cross-section, stranded,<br>max.                   | 2.5 mm <sup>2</sup> |
| Blade size  | 0.6 x 3.5 mm        |   |                     |

## Electrical data

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

## General data

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

## Ratings IECEx/ATEX/cUL

|                 |  |
|-----------------|--|
| cUL certificate | cUL Certificate - pdf/<br>VSPC.PDF (application/<br>pdf) |
|-----------------|--|

## 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 |             |             |

## Tender specification sheets

|                    |   |                     |   |
|--------------------|---|---------------------|---|
| Long specification | Base element can take<br>a protected plug for up<br>to four floating-ground | Short specification | Base element receives<br>a protected plug for up<br>to four floating-ground |
|--------------------|---|---------------------|---|

## Technical data

powered paired 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. With optional remote monitoring. 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. Possible to mark all terminals

powered paired cables with direct earthing. With optional remote monitoring.

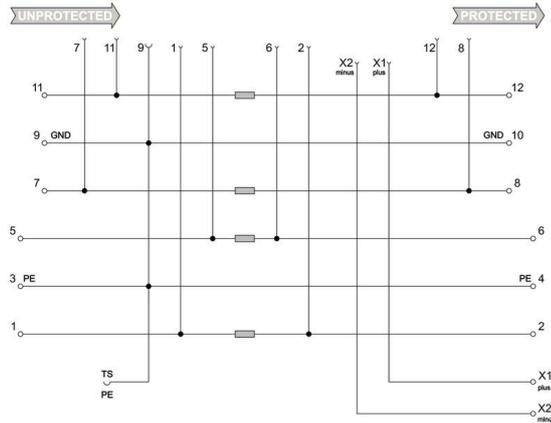
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Drawings

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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

### 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.  | <a href="#">8972270000</a> | Surge protection for instrumentation and control, with warning function / function indicator |  |
| GTIN (EAN) | 4032248793488              |  |  |
| Qty.       | 1 ST                       |  |  |

### 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.  | <a href="#">8924680000</a> | Adapter, without warning function / function indicator |  |
| GTIN (EAN) | 4032248696321              |  |  |
| Qty.       | 1 ST                       |  |  |

### 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 0.6X3.5X200            | Version                  |  |
| Order No.  | <a href="#">9010110000</a> | Screwdriver, Screwdriver |  |
| GTIN (EAN) | 4032248300754              |                          |  |
| Qty.       | 1 ST                       |                          |  |

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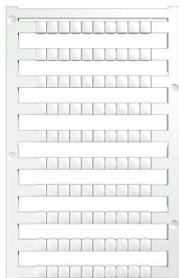
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## Accessories

|            |                            |                          |  |
|------------|----------------------------|--------------------------|--|
| Type       | SDS 0.4X2.0X60             | Version                  |  |
| Order No.  | <a href="#">9037160000</a> | Screwdriver, Screwdriver |  |
| GTIN (EAN) | 4032248171613              |                          |  |
| Qty.       | 1 ST                       |                          |  |

## 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.  | <a href="#">1854490000</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |  |
| GTIN (EAN) | 4032248393596              | Weidmueller, white  |  |
| Qty.       | 1000 ST                    |   |  |

## Cross-connections



Cross-connection between the VSPC signal contacts can be installed quickly. Cross-connections can be individually separated for the alert function with maximum 10 VSPC R.

## General ordering data

|            |                            |         |  |
|------------|----------------------------|---------|--|
| Type       | QB 17,8/2                  | Version |  |
| Order No.  | <a href="#">1309470000</a> |         |  |
| GTIN (EAN) | 4050118111934              |         |  |
| Qty.       | 90 ST                      |         |  |