

VSPC BASE 2SL FG EX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

| | |
|------------|--|
| Version | Surge protection, Flange-mounted housing, Flange-mounted housing |
| Order No. | 8951830000 |
| Type | VSPC BASE 2SL FG EX |
| GTIN (EAN) | 4032248743070 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 69 mm | Depth (inches) | 2.717 inch |
| Height | 90 mm | Height (inches) | 3.543 inch |
| Width | 17.8 mm | Width (inches) | 0.701 inch |
| Net weight | 68 g | | |

Temperatures

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

Protection Ex - Data

| | | | |
|------------------------|--|---------------------------------|--|
| ATEX - dust labelling | II 1 D Ex ia IIIC T135 °C ... T85 °C Da | ATEX - gas labelling | II 1 G Ex ia IIC T4... T6 Ga |
| Certificate No. (ATEX) | KEMA10ATEX0148X | IECEx - dust labelling | II 1 D Ex ia IIIC T135 °C ... T85 °C Da |
| IECEx - gas labelling | II 1 G Ex ia IIC T4... T6 Ga | Internal inductance, max. L_I | 0 μ H |

CSA protection data

| | | | |
|-------------------------------|------|---------------------------------|-----------|
| Gas group C | IIB | Gas group D | IIA |
| Gas groups A, B | IIC | Input current, max. I_I | 250 mA |
| Internal capacity, max. C_I | 0 nF | Internal inductance, max. L_I | 0 μ H |

General data

| | | | |
|---------------------------|--------------------|-------------------|---------------------------------------|
| Colour | Light Blue | 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

| | | | |
|--------------------------------------|--------------|--------------------------|--|
| Dielectric strength at FG against PE | ≥ 500 V | Leakage current at U_n | 0 μ A |
| Signalling contact | | 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 |
| | No | | |
| Voltage type | AC/DC | | |

Further details of approvals

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

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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

| | | | |
|-----------------------|--|------------------------|--|
| ATEX - dust labelling | II 1 D Ex ia IIC T135 °C ... T85 °C Da | ATEX - gas labelling | II 1 G Ex ia IIC T4... T6 Ga |
| ATEX certificate | ATEX Certificate | Certificate No. (ATEX) | KEMA10ATEX0148X |
| IEC Ex certificate | IECEX Zertifikat | IECEX - dust labelling | II 1 D Ex ia IIC T135 °C ... T85 °C Da |
| IECEX - gas labelling | II 1 G Ex ia IIC T4... T6 Ga | 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 | Base element can take a protected plug for up to two floating-ground powered paired cables. When the base unit is fitted, a simultaneous sparkover gap to high impedance earth is made between the mounting rail (earth) and the reference potential (ground) of the protective switch in the plug. Suitable for ATEX applications. 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 | Short specification | Base element receives a protected plug for two floating-ground powered paired cables with indirect earthing. Suitable for ATEX applications. |
|--------------------|---|---------------------|--|

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

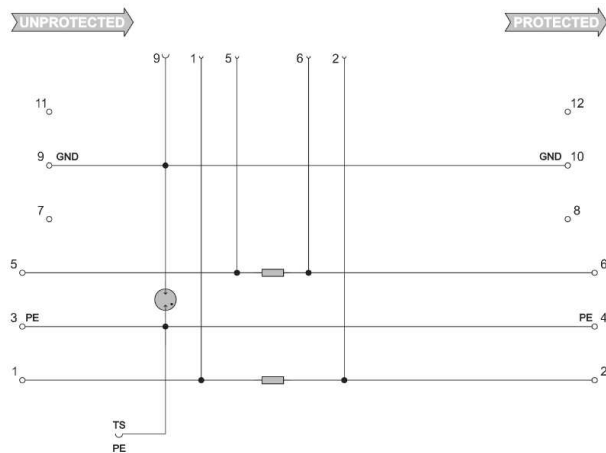
Downloads

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

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Drawings
Electric symbol


| 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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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). | |

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. | 9010110000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248300754 | |
| Qty. | 1 pc(s). | |

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www.weidmueller.com**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). | |