

## VSPC BASE 4SL FG R

Weidmüller Interface GmbH &amp; 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  $\mu$ s) and 2.5 kA (10/350  $\mu$ s) to PE. Suitable for unearthened signal circuits.

## General ordering data

Version	Surge protection, Flange-mounted housing, Flange-mounted housing
Order No.	<a href="#">8951760000</a>
Type	VSPC BASE 4SL FG R
GTIN (EAN)	4032248743001
Qty.	1 pc(s).

Creation date February 28, 2023 6:59:50 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

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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	76 g		

### Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	70 °C
Humidity	5...96 %		

### Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL 497b Certificate
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### Connection data, remote alert

Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>
Cross-section for connected wire, solid core, min.	0.5 mm <sup>2</sup>	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 <sub>I</sub>	350 mA
Internal inductance, max. L <sub>I</sub>	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
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### Rated data IEC / EN

Dielectric strength at FG against PE	≥ 500 V	Leakage current at U <sub>n</sub>	0 μA
Rated current I <sub>N</sub>	300 mA	Signalling contact	U <sub>N</sub> 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

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### Further details of approvals

GOST certificate                      GOST-Zertifikat

### 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 stranded, max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (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, max.	2.5 mm <sup>2</sup>
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	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

### Tender specification sheets

Long specification	<p>Base element can take a protected plug for up to four 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. 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</p>	<p>Short specification</p> <p>Base element receives a protected plug for up to four floating-ground powered paired cables with indirect earthing. With optional remote monitoring.</p>
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### Environmental Product Compliance

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

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## Technical data

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">SIL Paper</a> <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Beipackzettel / Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

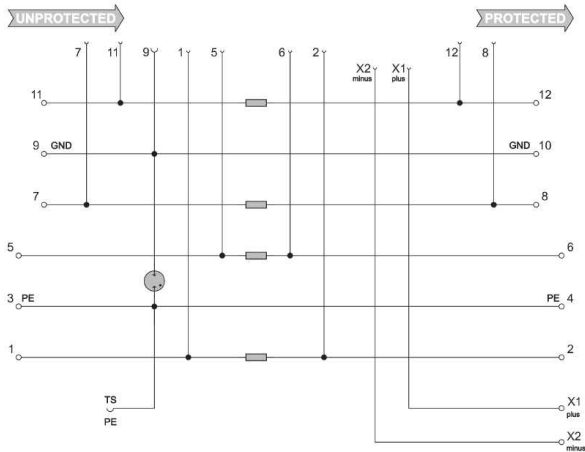
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Drawings

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

Cate- gory	Testing pulse	Surge voltage	Surge current	Pulse	Type
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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

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