

VSPC BASE 2SL FG R**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.	8951780000
Type	VSPC BASE 2SL FG R
GTIN (EAN)	4032248743025
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	69 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...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 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

Protection degree	IP20	Colour	black
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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 _n	0 µA
Rated current I _N	300 mA	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
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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		

Electrical data

Voltage type	AC/DC
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Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate
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Classifications

ETIM 6.0	EC000472	ETIM 7.0	EC000472
ETIM 8.0	EC000472	ETIM 9.0	EC000472
ETIM 10.0	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	ECLASS 14.0	27-17-15-91
ECLASS 15.0	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. With remote monitoring function. 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. With optional remote monitoring.
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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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319227/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319261/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UL)	E311081

Downloads

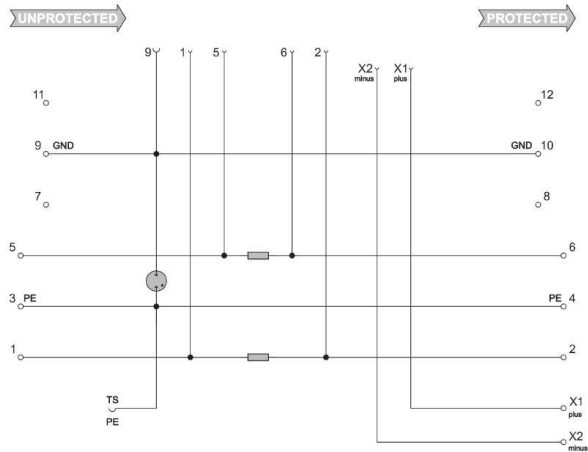
Approval/Certificate/Document of Conformity	SIL Paper EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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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