

VSPC BASE 1CL 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 unearthened signal circuits.

General ordering data

Version	Surge protection, Flange-mounted housing, 450 mA, 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
Order No.	8951740000
Type	VSPC BASE 1CL FG R
GTIN (EAN)	4032248742981
Qty.	1 pc(s).

Creation date March 29, 2021 11:59:19 PM CEST

Catalogue status 12.03.2021 / 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
Net weight	70 g	Width	17.8 mm
Width (inches)	0.701 inch		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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	450 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
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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	450 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

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Technical data

Further details of approvals

GOST certificate

GOST-Zertifikat

Connection data

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
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

Tender specification sheets

Long specification

Base element with remote monitoring option to receive a protected plug with status display for one floating-ground powered paired cable. With the installation of the base element a contact is established between mounting rail and the integrated sparkover gap. Through this sparkover gap, a high impedance connection between the ground of the protective switch in the protective plug and the earth potential is made. 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

Short specification

Base element with remote monitoring option to receive a protected plug with status display for one floating-ground powered paired cable, integrated sparkover gap for high impedance connection between the ground of the plug's protective circuit and the earth potential. With optional remote monitoring.

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E311081

Downloads

Approval/Certificate/Document of Conformity	CE PAPER
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

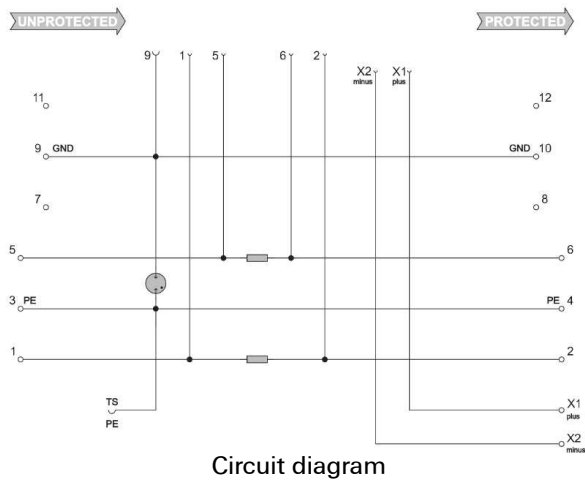
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Drawings

Electric symbol



Circuit diagram

Category	Testing pulse	Surge voltage	Surge current	Pulse	Type
C1	Quick-rising edge	0.5 - 2 kV with 1.2/50 μ s	0.25 - 1 kA mit 8/20 μ s	300	Surge voltage arrester
C2	Quick-rising edge	2 - 10 kV with 1.2/50 μ s	1 - 5 kA mit 8/20 μ s	10	Surge voltage arrester
C3	Quick-rising edge	≥ 1 kV with 1 kV/ μ s	10 - 100 A mit 10/10000 μ s	300	Surge voltage arrester
D1	High power	≥ 1 kV	0.5 - 2.5 kA mit 10/350 μ s	2	Arrester for lightning current and surge voltages

Discharge capacity