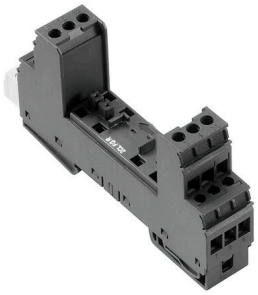
Data sheet

VSPC BASE 2CL 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 µs) and 2.5 kA (10/350 µs) to PE. Suitable for unearthed signal circuits.

General ordering data

Version	Surge protection, Flange-mounted housing, Flange-mounted housing
Order No.	8951720000
Type	VSPC BASE 2CL FG R
GTIN (EAN)	4032248742967
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	65.74 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/ E311081VOL1SEC2.pdf (application/pdf)

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.5 mm²	Stripping length	6 mm
Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm²
Max. torque	0.2 Nm		

CSA protection data

Gas group D	IIA	Gas groups A, B	IIC
Input-current, max. II	450 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

Leakage current at Un	0 µA	Signalling contact	UN 250 V AC 0.1 A 1CO at VSPC R with VSPC control unit
Rated current IN	450 mA	Voltage type	AC/DC
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	Dielectric strength at FG against PE	≥ 500 V

Further details of approvals

GOST certificate	GOST-Zertifikat - PDF/7950_n1-n4.pdf (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 mm²
Clamping range, max.	4 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, max.	4 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm²
Connection cross-section, stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	2.5 mm²
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/ VSPC.PDF (application/ 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		

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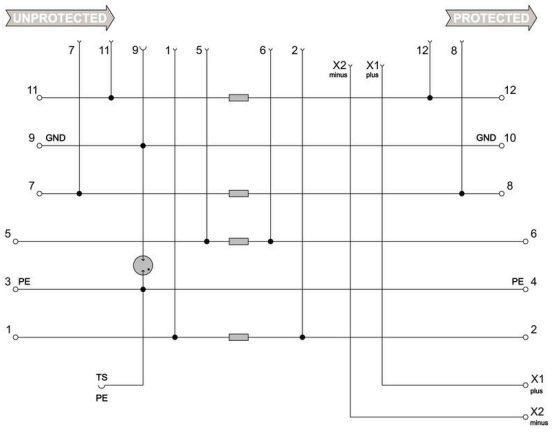
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Drawings

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 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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