VSPC
VSPC BASE 4SL R

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
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Fax: +49 5231 14-292083
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Base element for the pluggable VSPC arrester, integrated PE foot in impedance-neutral VSPC BASE. Can safely discharge up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to the PE.

General ordering data

Type	VSPC BASE 4SL R
Order No.	8951750000
Version	Surge protection, Base, 12 V, 24 V, 34 V, 5 V, 300 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
GTIN (EAN)	4032248742998
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	17.8 mm	Width (inches)	0.701 inch
Height	98 mm	Height (inches)	3.858 inch
Depth	69 mm	Depth (inches)	2.717 inch
Net weight	76 g		

Temperatures

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

Connection data, remote alert

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

CSA protection data

Gas group C	IIB	Gas group D	IIA
Gas groups A, B	IIC	Input current, max. I_I	350 mA
Internal inductance, max. L_I	0 µH		

General data

Colour	Black	Design	Terminal, Miscellaneous
Mounting rail	TS 35, TS 35 x 7.5	Optical function display	No
Protection degree	IP20	Segment	Instrumentation and Control
UL 94 flammability rating	V-0	Version	Base element

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

Rated data IEC / EN

Rated current I_N	300 mA	Rated voltage (DC)	12 V, 24 V, 34 V, 5 V
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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Technical data

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 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

Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL 497b Certificate

Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate

Classifications

ETIM 3.0	EC000943	ETIM 4.0	EC000381
ETIM 5.0	EC000943	ETIM 6.0	EC000472
UNSPSC	30-21-19-21	eClass 5.1	27-13-08-01
eClass 6.2	27-13-08-02	eClass 7.1	27-13-08-09
eClass 8.1	27-13-08-11	eClass 9.0	27-13-08-11
eClass 9.1	27-13-08-07		

Product information

Descriptive text ordering data	Technical data can be found at the end of the VARITECTOR SPC section. Order with VSPC CONTROL UNIT.
Instructions for accessories	Marker: DEK 5

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	CE PAPER
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

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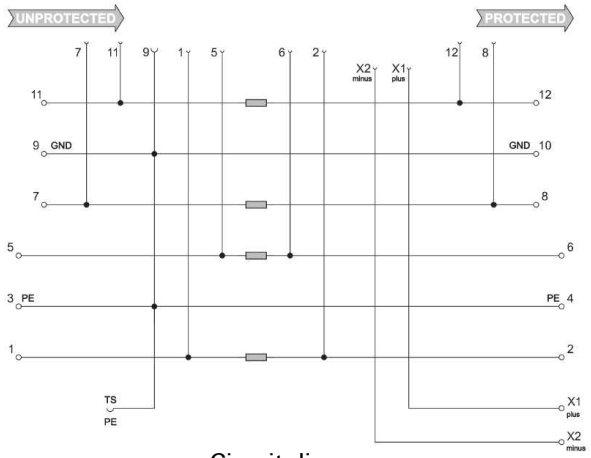
Drawings

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 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