

VSPC BASE 1CL PW FG EX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

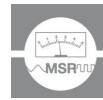
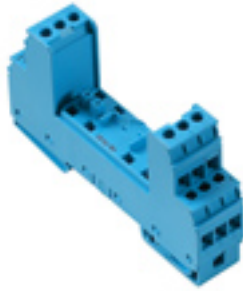
D-32758 Detmold

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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

Type	VSPC BASE 1CL PW FG EX
Order No.	1070470000
Version	Surge protection for instrumentation and control, 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)	4032248826384
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	17.8 mm	Height	90 mm
Depth	69 mm	Net weight	75 g

Temperatures

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

General data

Colour	Light Blue	Isolating function	No
Mounting rail	TS 35, TS 35 x 7.5	Protection degree	IP 20
Segment	Instrumentation and Control	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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technical data

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	Colour	Light Blue
Humidity	5...96 %	Dielectric strength at FG against PE	≥ 500 V

Connection data

Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	4 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	2.5 mm ²
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.8 Nm
Stripping length, rated connection	7 mm	Wire connection cross section, finely stranded, max.	2.5 mm ²

EX protection data

Certificate No. (ATEX)	KEMA10ATEX0148X	Internal inductance, max. L _i	0 µH
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CSA protection data

Input current, max. I _i	350 mA	Internal capacity, max. C _i	0 nF
Internal inductance, max. L _i	0 µH		

Further details of approvals

GOST certificate	GOST-Zertifikat
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Ratings IECEx/ATEX

ATEX certificate	ATEX Certificate	Certificate No. (ATEX)	KEMA10ATEX0148X
IEC Ex certificate	IECEX Zertifikat		

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Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-13-08-02		

Product information

Descriptive text ordering data	Technical data can be found at the end of VARITECTOR SPC EX.
Descriptive text accessories	EMC Set: 1067470000 Marker: DEK 5

Approvals

Approvals



ROHS	Conform
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Downloads

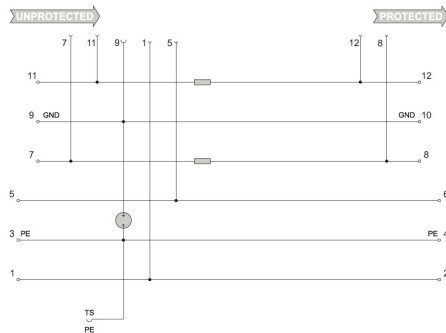
Package insert	Instruction sheet VSPC
Declaration of Conformity	CE document
EPLAN	1070470000.ema
Selection matrix	Preference selection VSPC

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Zeichnungen

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