

VSPC BASE 2/4CH FG EX

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Base element for the pluggable VSPC arresters. Integrated PE foot in impedance-neutral VSPC BASE and floating-earth PE connection (FG) via a built-in **sparkover gap**. Can safely discharge up to 20 kA (8/20 μ s) and 2.5 kA (10/350 μ s) to the PE. Suitable for unearthed signal circuits.

General ordering data

Order No.	8951850000
Type	VSPC BASE 2/4CH FG EX
Version	Surge protection for instrumentation and control
GTIN (EAN)	4032248743094
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	17.8 mm	Height	90 mm
Depth	69 mm	Net weight	74 g

Temperatures

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

General data

Colour	Light Blue	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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Further details of approvals

GOST certificate	GOST-Zertifikat
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Rated data UL

UL certificate	UL 497b Certificate
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Ratings IECEx/ATEX

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

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Technical data**Classifications**

ETIM 3.0	EC000943	UNSPSC	30-21-19-21
eClass 4.1	27-13-08-01	eClass 5.1	27-13-08-01
eClass 6.2	27-13-08-02	eClass 7.1	27-13-08-02

Approvals

Approvals



ROHS

Conform

Downloads

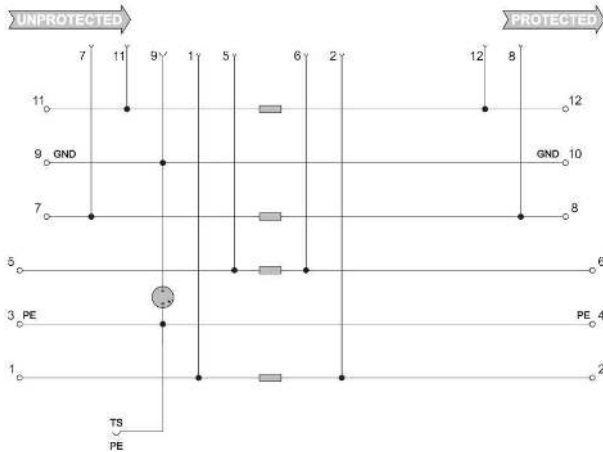
Package insert	Instruction sheet VSPC
Declaration of Conformity	K346_07_10.pdf
EPLAN	8951850000.ema
Selection matrix	Preference selection VSPC

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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

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Mating connector (fully pluggable)

Three-wire and four-wire measuring bridges



Under the protection of the 3 or 4 wire system come the following signals:

- PT100, measuring bridges, DMS sensors, measuring bridges,
- Pluggable arrester, for non-interrupting and impedance neutral plugging in/pulling out
- Can be tested with the V-TEST testing device
- Space-saving design for 4 binary signals
- Version with floating-earth PE connection used to avoid interference currents that result from differences in voltage potential
- Can be used in compliance with the IEC 62305 and IEC 61643-22 (**D1, C1, C2 and C3**) installation standards
- Integrated PE foot, safely discharges up to 20 kA (8/20 μs) and 2.5 kA (10/350 μs) to PE
- Quick identification in the electrical cabinet with coloured labelling of the voltage levels
- Coding element for the different voltage levels provides safety

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8953650000	VSPC 3/4WIRE 5VDC EX	Surge protection for instrumentation and control, without warning function / function indicator	4032248745807	1 pc(s).