

VSPC BASE 1CL**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 arrester, integrated PE foot in impedance-neutral VSPC BASE. Can safely discharge up to 20 kA (8/20 μ s) and 2.5 kA (10/350 μ s) to the PE.

General ordering data

Order No.	8924730000
Type	VSPC BASE 1CL
Version	Surge protection for instrumentation and control
GTIN (EAN)	4032248696376
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	55.6 g

Temperatures

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

General data

Colour	Black	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	Black
Humidity	5...96 %		

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

Further details of approvals

GOST certificate	GOST-Zertifikat
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Rated data UL

Certificate No. (UL)	E311081VOL1SEC2	UL certificate	UL 497b Certificate
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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

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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Package insert	Instruction sheet VSPC
Declaration of Conformity	K316_07_09.pdf
EPLAN	8924730000.ema
Selection matrix	Preference selection VSPC
3-D model	

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Klingenbergstraße 16

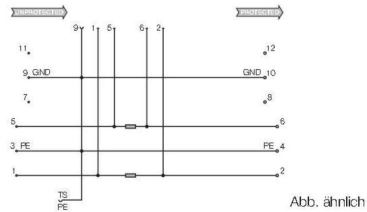
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Drawings
Electric symbol


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)

Current loops without signal contact also for EX ia applications



Analogue signal / CL (current loop) protection includes the following signals:

- Signals from current loops (analogue measurements of transmitters over long distances) 4-20 mA, 0-20 mA, etc.
- Two-wire, three-wire and four-wire, without a common reference potential
- for example: fill-level measurement signals from voltage transmitters (analogue measurements of transmitters over short distances) 0-10 V, PT 100 etc.; for example: temperature measurements
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Can be tested with the V-TEST testing device
- Space-saving design for 2 analogue signals
- Version with floating-earth PE connection used to avoid differences in voltage potential
- Can be used in compliance with the IEC 62305 (D1, C1, C2 and C3) installation standard
- 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.
8924530000	VSPC 1CL 60VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696161	1 pc(s).
8924520000	VSPC 1CL 48VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696154	1 pc(s).
8924420000	VSPC 1CL 5VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696055	1 pc(s).
8924500000	VSPC 1CL 24VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696130	1 pc(s).
8924450000	VSPC 1CL 12VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696086	1 pc(s).
8924480000	VSPC 1CL 24VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696116	1 pc(s).