

VSPC BASE 2SL**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.	8924720000
Type	VSPC BASE 2SL
Version	Surge protection for instrumentation and control
GTIN (EAN)	4032248696369
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	67 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	8924720000.ema
Selection matrix	Preference selection VSPC
3-D model	

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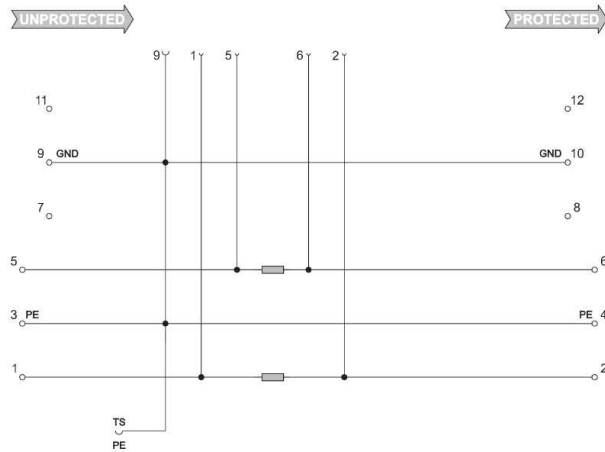
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Drawings
Electric symbol


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)

Binary signals without alert contact, also for EX ia applications



Binary signal (SL – Symmetrical Load) protection includes the following signals:

- Switching signals with and without a common reference potential, e.g. 5 V...24 V...60 V
- Two-conductor systems usually involve common reference potential of binary sensors, actuators and indicators such as limit switches, buttons, position sensors, photoelectric barriers, contactors, solenoid valves, indicator lamps, etc.
- Pluggable arrestor, for interruption-free and neutral impedance insertion and removal
- Can be tested with the V-TEST testing device
- Space-saving design for up to 4 binary signals
- Version with floating-earth PE connection used to avoid interference currents with differences in voltage potential
- Can be used in compliance with the IEC 62305 and IEC 61643-22 installation standard (**D1, C1, C2 and C3**)
- Integrated PE foot, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE
- Colour coding of the voltage levels for quick identification in the cabinet
- Safety function through coding element for different voltage levels

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8924390000	VSPC 2SL 60VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696031	1 pc(s).
8924370000	VSPC 2SL 48VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696017	1 pc(s).
8924350000	VSPC 2SL 24VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248695997	1 pc(s).
8924330000	VSPC 2SL 24VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248695973	1 pc(s).
8924210000	VSPC 2SL 5VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248695850	1 pc(s).
8924230000	VSPC 2SL 12VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248695874	1 pc(s).
8924250000	VSPC 2SL 12VAC	Surge protection for instrumentation and	4032248695898	1 pc(s).

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control, without warning

function / function indicator