

VSPC BASE 2CL FG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

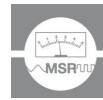
D-32758 Detmold

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.	8924270000
Type	VSPC BASE 2CL FG
Version	Surge protection for instrumentation and control
GTIN (EAN)	4032248695911
Qty.	1 pc(s).

VSPC BASE 2CL FG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**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	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
--------------------	---	------------------------	-----

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 %	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

Further details of approvals

GOST certificate	GOST-Zertifikat
------------------	-----------------

Rated data UL

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

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

VSPC BASE 2CL FG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Package insert	Instruction sheet VSPC
Declaration of Conformity	K316_07_09.pdf
EPLAN	8924270000.ema
Selection matrix	Preference selection VSPC
3-D model	

VSPC BASE 2CL FG
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

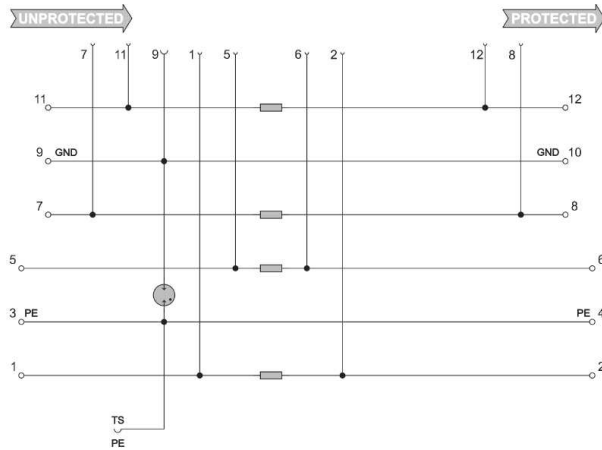
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

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

VSPC BASE 2CL FG

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Mating connector (fully pluggable)

Surge protection for fast signals without alert contact



- Monitoring function with status indicator and message function
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Can be tested with the V-TEST testing device
- High transmission rates with minimal attenuation values
- Space-saving design, with alert function and no extra space required
- Can be used in compliance with the IEC 62305 (**D1, C1 and C2**) 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.
8924430000	VSPC 2CL HF 5VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696062	1 pc(s).
8924460000	VSPC 2CL HF 12VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696093	1 pc(s).
8924510000	VSPC 2CL HF 24VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696147	1 pc(s).

Surge protection for U_{K0}/S_0 interfaces (telecomm.)



The following signals are protected by the U_{K0} :

- Two-wire input interface (telephone cabling) – U_{K0}
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Low residual voltage
- Can be tested with the V-TEST testing device
- Integrated PE foot, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8924660000	VSPC TELE UKO 2WIRE	Surge protection for instrumentation and	4032248696307	1 pc(s).

VSPC BASE 2CL FG

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Mating connector (fully pluggable)

control, without warning
function / function indicator

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.
8924470000	VSPC 2CL 24VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696109	1 pc(s).
8924440000	VSPC 2CL 12VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696079	1 pc(s).
8951500000	VSPC 2CL 60VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248742745	1 pc(s).
8951490000	VSPC 2CL 48VAC	Surge protection for instrumentation and control, without warning function / function indicator	4032248742738	1 pc(s).
8924400000	VSPC 2CL 5VDC	Surge protection for instrumentation and control, without warning function / function indicator	4032248696048	1 pc(s).
8924490000	VSPC 2CL 24VAC	Surge protection for instrumentation and	4032248696123	1 pc(s).

Creation date May 7, 2013 4:10:25 PM CEST

VSPC BASE 2CL FG**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Mating connector (fully pluggable)control, without warning
function / function indicator**RS 485 / RS 422 surge protection without alert contact**

Under the protection of the data protection RS 485 come the following signals:

- Protection for wire connected serial data transmission – RS 485 or RS 422
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Low residual voltage
- Can be used in accordance with the IEC 62305 and IEC61643-22 installation standards
- Can be tested with the V-TEST testing device
- Integrated PE foot, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.
8924670000	VSPC RS485 2CH	Surge protection for instrumentation and control, without warning function / function indicator	4032248696314	1 pc(s).