

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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 µs) and 2.5 kA (10/350 µs) to PE. Suitable for unearthed signal circuits.

General ordering data

Version	Surge protection, Flange-mounted housing, Flange-mounted housing
Order No.	8951810000
Type	VSPC BASE 1CL FG EX
GTIN (EAN)	4032248743056
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	69 mm	Depth (inches)	2.717 inch
Height	90 mm	Height (inches)	3.543 inch
Width	17.8 mm	Width (inches)	0.701 inch
Net weight	71 g		

Temperatures

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

Protection Ex - Data

ATEX - dust labelling	II 1 D Ex ia IIIC T135 °C ... T85 °C Da	ATEX - gas labelling	II 1 G Ex ia IIC T4... T6 Ga
Certificate No. (ATEX)	KEMA10ATEX0148X	IECEx - dust labelling	II 1 D Ex ia IIIC T135 °C ... T85 °C Da
IECEx - gas labelling	II 1 G Ex ia IIC T4... T6 Ga	Internal inductance, max. L_I	0 μ H

Rated data UL

UL certificate	UL 497b Certificate
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CSA protection data

Gas group C	IIB	Gas group D	IIA
Gas groups A, B	IIC	Input current, max. I_I	250 mA
Internal capacity, max. C_I	0 nF	Internal inductance, max. L_I	0 μ H

General data

Protection degree	IP20	Colour	Light Blue
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Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Rated data IEC / EN

Dielectric strength at FG against PE	≥ 500 V	Leakage current at U_n	0 μ A
Rated current I_N	450 mA	Signalling contact	No
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	Voltage type	AC/DC

Further details of approvals

GOST certificate	GOST-Zertifikat
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Technical data**Connection data**

Stripping length	7 mm	Type of connection	Screw connection
Stripping length, rated connection	7 mm	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.8 Nm	Clamping range, min.	0.5 mm ²
Clamping range, max.	4 mm ²	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	4 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²
Connection cross-section, stranded, min.	0.5 mm ²	Connection cross-section, stranded, max.	2.5 mm ²
Blade size	0.6 x 3.5 mm		

Electrical data

Voltage type	AC/DC
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Ratings IECEx/ATEX/cUL

ATEX - dust labelling	II 1 D Ex ia IIIC T135 °C ... T85 °C Da	ATEX - gas labelling	II 1 G Ex ia IIC T4... T6 Ga
ATEX certificate	ATEX Certificate	Certificate No. (ATEX)	KEMA10ATEX0148X
IEC Ex certificate	IECEX Zertifikat	IECEx - dust labelling	II 1 D Ex ia IIIC T135 °C ... T85 °C Da
IECEx - gas labelling	II 1 G Ex ia IIC T4... T6 Ga	cUL certificate	cUL Certificate

Classifications

ETIM 6.0	EC000472	ETIM 7.0	EC000472
ETIM 8.0	EC000472	ETIM 9.0	EC000472
ETIM 10.0	EC000472	ECLASS 9.0	27-13-08-03
ECLASS 9.1	27-13-08-07	ECLASS 10.0	27-13-08-03
ECLASS 11.0	27-13-08-03	ECLASS 12.0	27-17-15-91
ECLASS 13.0	27-17-15-91	ECLASS 14.0	27-17-15-91
ECLASS 15.0	27-17-15-91		

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Technical data

Tender specification sheets

Long specification

Base element for a single floating-ground powered paired cable. With the installation of the base element a contact is established between mounting rail and the integrated sparkover gap. Through this sparkover gap, a high impedance connection between the ground of the protective switch in the protective plug and the earth potential is made. Mechanical coding of the base element to the protected plug according to switching type and rated voltage. Suitable for ATEX applications. The base unit is coded itself by the first insertion of a protected plug. Mechanical coding of the base element to the protected plug according to switching type and rated voltage. The base unit is coded itself by the first insertion of a protected plug. Possible to mark all terminals

Short specification

Base element to receive a protected plug for one floating-ground powered paired cable, integrated sparkover gap for high impedance connection between the ground of the plug's protective circuit and the earth potential. Suitable for ATEX applications.

Environmental Product Compliance

RoHS Compliance Status

Compliant without exemption

REACH SVHC

No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319227/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319243/-T1z1mm-S800/

ROHS

Conform

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EG Baumusterprüfung / EC Type Examination SIL Paper EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet Beipackzettel Atex / Instruction Sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

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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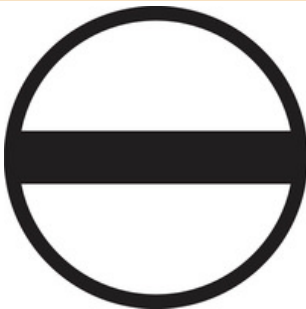
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www.weidmueller.com**Accessories****Earthing module**

- Can be applied to unassigned wires
- Can be used during initial commissioning and maintenance
- All sensor cables connected to the VSPC are earthed.
- Can be plugged into all VSPC base sockets

General ordering data

Type	VSPC GROUND	Version
Order No.	8924680000	Adapter, without warning function / function indicator
GTIN (EAN)	4032248696321	
Qty.	1 pc(s).	

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

Type	SDS 0.6X3.5X200	Version
Order No.	9010110000	Screwdriver, Screwdriver
GTIN (EAN)	4032248300754	
Qty.	1 pc(s).	

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www.weidmueller.com**Accessories****Plus**

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/5 PLUS MC NE WS	Version
Order No.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1,000 pc(s).	