

VSPC BASE 2/4CH**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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 µs) and 2.5 kA (10/350 µs) to the PE.

General ordering data

Version	Surge protection, Flange-mounted housing, Flange-mounted housing
Order No.	8924740000
Type	VSPC BASE 2/4CH
GTIN (EAN)	4032248696383
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 %		

Rated data UL

Certificate No. (UL)	E311081	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	300 mA
Internal inductance, max. L_i	0 μ H		

General data

Protection degree	IP20	Colour	black
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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

Rated current I_N	10 A	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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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		

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Technical data

Electrical data

Voltage type AC/DC

Ratings IECEx/ATEX/cUL

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		

Tender specification sheets

Long specification

Base element can take a protected plug for up to four floating-ground powered cables. When the base unit is fitted, a simultaneous electrically conducting contact is made between the mounting rail (earth) and the reference potential (ground) of the protection circuit in the 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 receives a protected plug for up to four floating-ground powered cables with direct earthing.

Approvals

Approvals



Approvals MAMID 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_319261/-T1z1mm-S800/

ROHS Conform

UL File Number Search UL Website

Certificate No. (UL) E311081

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption

RoHS Exemption (if applicable/known) 7cl

REACH SVHC No SVHC above 0.1 wt%

Creation date June 24, 2025 9:17:27 AM CEST

Catalogue status 21.06.2025 / We reserve the right to make technical changes.

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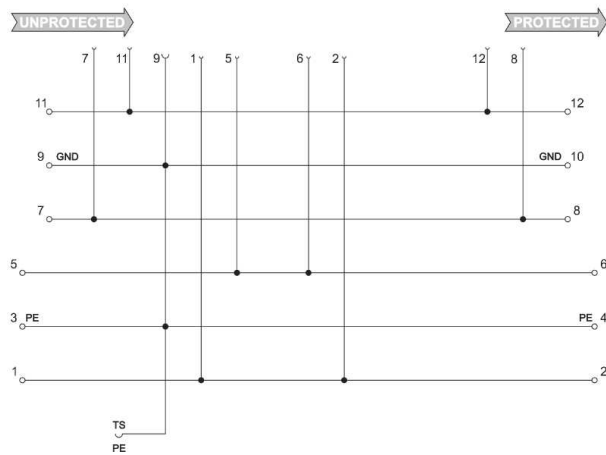
Downloads

Approval/Certificate/Document of Conformity	SIL Paper EU Konformitätserklärung / EU Declaration of Conformity UK Konformitätserklärung / UK Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings
Electric symbol


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)

Surge protection with components (MOV), without alert contact



- Pluggable arrester with ungrounded varistors (MOV) for use as protection circuit for coils
- For applications as surge protection, external wire links to GND must be connected at the VSPC BASE FG (e.g. connection 8-10 and 9-5)
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Can be tested with the V-TEST testing device
- Integrated PE foot in the VSPC BASE, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE

General ordering data

Type	VSPC MOV 2CH 24V	Version
Order No.	8924600000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696246	function / function indicator
Qty.	1 pc(s).	
Type	VSPC MOV 2CH 230V	Version
Order No.	8924610000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696253	function / function indicator
Qty.	1 pc(s).	

Three-wire and four-wire measuring bridges



3 or 4-wire system protection includes the following signals:

- PT100, measuring bridges, DMS sensors, measuring bridges, ...
- Pluggable arrester, for interruption-free and impedance-neutral plug-in and pull-out
- Can be tested with V-TEST testing device
- Space-saving design for up to 4 binary signals
- Version with floating-earth PE connection used to avoid interference currents that result from differences in voltage potential
- For use 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 the PE
- Colour coding of the voltage levels for fast identification in the cabinet
- Safety function through coding elements for different voltage levels

General ordering data

Type	VSPC 3/4WIRE 5VDC	Version
Order No.	8924540000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696185	function / function indicator, U _P (L/N-PE) <800 V
Qty.	1 pc(s).	

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Mating connector (fully pluggable)

Type	VSPC 3/4WIRE 24VDC	Version
Order No.	8924550000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696192	function / function indicator, $U_P(L/N-PE) < 800\text{ V}$
Qty.	1 pc(s).	

Surge protection with components, without alert contact



- Pluggable arrester with ungrounded varistors (MOV) for use as protection circuit for coils
- For applications as surge protection, external wire links to GND must be connected at the VSPC BASE FG (e.g. connection 8-10 and 9-5)
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Can be tested with the V-TEST testing device
- Integrated PE foot in the VSPC BASE, safely discharges up to 20 kA (8/20 μs) and 2.5 kA (10/350 μs) to PE

General ordering data

Type	VSPC GDT 2CH 150VAC/230 ...	Version
Order No.	8924590000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696239	function / function indicator, $U_P(L/N-PE) < 1000\text{ V}$
Qty.	1 pc(s).	
Type	VSPC GDT 2CH 90V	Version
Order No.	8924570000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696215	function / function indicator, $U_P(L/N-PE) < 1000\text{ V}$
Qty.	1 pc(s).	
Type	VSPC TAZ 4CH 24V	Version
Order No.	8924650000	Surge protection for instrumentation and control, without warning
GTIN (EAN)	4032248696291	function / function indicator, $U_P(L/N-PE) 65\text{ V}$
Qty.	1 pc(s).	

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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).	

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).	

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www.weidmueller.com**Accessories****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).	