

**VSPC**  
**VSPC TAZ 4CH 24V****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmueller.com



- 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  $\mu$ s) and 2.5 kA (10/350  $\mu$ s) to PE

**General ordering data**

Type	VSPC TAZ 4CH 24V
Order No.	<a href="#">8924650000</a>
Version	Surge protection for instrumentation and control, 24 V, 28 V, 10 A, According to IEC61643-21
GTIN (EAN)	4032248696291
Qty.	1 pc(s).

Creation date May 1, 2020 5:03:08 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Width	17.8 mm	Width (inches)	0.701 inch
Height	90 mm	Height (inches)	3.543 inch
Depth	69 mm	Depth (inches)	2.717 inch
Net weight	40 g		

**Temperatures**

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

**Probability of failure**

λges	32	MTTF	3,567 Years
PFH in 1*10 <sup>-9</sup> per hour	0	SFF	100 %
SIL in compliance with IEC 61508	3		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**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 voltage, max. U <sub>i</sub>	39 V
Internal capacity, max. C <sub>i</sub>	4 nF	Internal inductance, max. L <sub>i</sub>	0 μH

**General data**

Colour	orange	Design	Terminal, miscellaneous
Optical function display	No	Protection degree	IP20
Segment	Measurement - Monitoring - Setting	UL 94 flammability rating	V-0
Version	without warning function / function indicator		

**Insulation coordination acc. to EN 50178**

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

Rated voltage (AC)	24 V	Rated voltage (DC)	28 V
Voltage type	DC	Max. continuous voltage, U <sub>c</sub> (AC)	28 V
Max. continuous voltage, U <sub>c</sub> (DC)	39 V	Discharge current I <sub>n</sub> (8/20μs) wire-wire	0.05 kA
Discharge current I <sub>max</sub> (8/20μs) wire-wire	0,1 kA	Fuse	10A
Standards	According to IEC61643-21	Protection level U <sub>p</sub> (typ.)	65 V
Protection level on output side Wire-PE 1kV/μs, typically	55 V	Protection level on output side Wire-wire 1 kV/μs, typically	50 V
Protection level on output side Wire-wire 8/20 μs, typically	55 V	Protection level, U <sub>p</sub> wire - PE	55 V
Capacitance	680 pF	Number of poles	2
Overload - failure mode	Mode 1	Rated current I <sub>N</sub>	10 A
Requirements category acc. to IEC 61643-21	C3	Signalling contact	No
Surge current-carrying capacity C3	20 A 10/1000 μs	Volume resistance	0.20 Ω

**Further details of approvals**

GOST certificate	GOST-Zertifikat
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**Connection data**

Type of connection	Pluggable in VSPC BASE
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**Classifications**

ETIM 6.0	EC000943	ETIM 7.0	EC000943
eClass 9.0	27-13-08-07	eClass 9.1	27-13-08-07
eClass 10.0	27-13-08-07	UNSPSC	30-21-19-21

**Approvals**

Approvals



ROHS	Conform
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**Downloads**

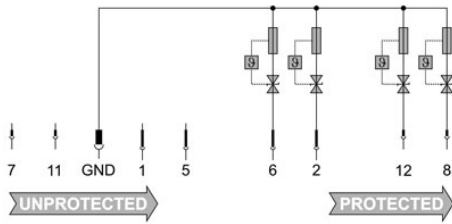
Approval/Certificate/Document of Conformity	<a href="#">SIL Paper</a> <a href="#">CE PAPER</a> <a href="#">Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.4 ELECTR 16/17 EN</a>
Engineering Data	<a href="#">EPLAN.WSCAD</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Instruction sheet</a>

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**Drawings**

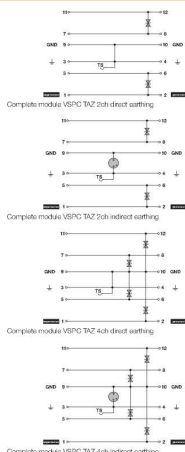
**Electric symbol**



Similar to illustration

Cate- gory	Testing pulse	Surge voltage	Surge current	Pulse	Type
C1	Quick-rising edge	0.5 - 2 kV 1.2/50 µs	0.25 - 1 kA mit 8/20 µs	300	Surge voltage arrester
C2	Quick-rising edge	2 - 10 kV 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



Komplettmodul

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### Mating connector (fully pluggable)

#### Direct earthing



Base element for the pluggable VSPC arrester, integrated PE foot in impedance-neutral VSPC BASE. Can safely discharge up to 20 kA (8/20  $\mu$ s) and 2.5 kA (10/350  $\mu$ s) to the PE.

#### General ordering data

Type	VSPC BASE 2/4CH	Version
Order No.	<a href="#">8924740000</a>	Surge protection, Flange-mounted housing, 10 A, IEC 61643-21, IEC
GTIN (EAN)	4032248696383	62305, DIN EN 60079-0:2009, DIN EN 60079-11:2007, DIN EN
Qty.	1 pc(s).	60079-26:2007, DIN EN 61241-11:2006

#### Indirect earthing / floating ground via sparkover gap, also suitable for EX ia applications



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  $\mu$ s) and 2.5 kA (10/350  $\mu$ s) to PE. Suitable for unearthed signal circuits.

#### General ordering data

Type	VSPC BASE 2/4CH FG	Version
Order No.	<a href="#">8924300000</a>	Surge protection, Flange-mounted housing, 10 A, IEC 61643-21, IEC
GTIN (EAN)	4032248695942	62305, DIN EN 60079-0:2009, DIN EN 60079-11:2007, DIN EN
Qty.	1 pc(s).	60079-26:2007, DIN EN 61241-11:2006

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## Accessories

### Direct earthing



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### General ordering data

Type	VSPC BASE 4SL	Version
Order No.	<a href="#">8924700000</a>	Surge protection, Flange-mounted housing, 300 mA, IEC 61643-21,
GTIN (EAN)	4032248696345	IEC 62305, DIN EN 60079-0:2009, DIN EN 60079-11:2007, DIN EN
Qty.	1 pc(s).	60079-26:2007, DIN EN 61241-11:2006

### V-TEST testing device: for the VSPC, PU I and PU II series



### V-TEST

- Testing device for checking the protective function of the pluggable overvoltage protection PU I, PU II and VSPC series
- Device for implementing the IEC 62305 standard (regarding periodic testing)
- Easy-to-use device with integrated battery set for on-site measurements
- LCD results display
- Menu in two languages
- Including a protective bag and power supply
- User friendly navigation in German and English

The V-TEST is a compact, portable test instrument for the plug-in surge protectors VARITECTOR (VSPC) and the surge protectors for the power supply line PU I and PU II. Using this instrument Weidmüller overvoltage protectors can be tested for their protective function in line with the testing schedules laid down in IEC 62305-3 (DIN VDE 0185 part 3). In a display with background illumination, the test result is indicated with "OK" or "Not OK".

### General ordering data

Type	V-TEST	Version
Order No.	<a href="#">8951860000</a>	Lightning and surge protection, Testing device
GTIN (EAN)	4032248743100	
Qty.	1 pc(s).	

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## Accessories

### Indirect earthing / floating ground via sparkover gap, also suitable for EX ia applications



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

Type	VSPC BASE 4SL FG	Version
Order No.	<a href="#">8924260000</a>	Surge protection, Flange-mounted housing, 300 mA, IEC 61643-21,
GTIN (EAN)	4032248695904	IEC 62305, DIN EN 60079-0:2009, DIN EN 60079-11:2007, DIN EN
Qty.	1 pc(s).	60079-26:2007, DIN EN 61241-11:2006

### 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.	<a href="#">1854490000</a>	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00
GTIN (EAN)	4032248393596	Weidmueller, white
Qty.	1,000 pc(s).	