

VSPC
VSPC MOV 2CH 24V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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 μ s) and 2.5 kA (10/350 μ s) to PE

General ordering data

Type	VSPC MOV 2CH 24V
Order No.	8924600000
Version	Surge protection for instrumentation and control, 24 V, 30 V, 10 A, IEC 61643-21
GTIN (EAN)	4032248696246
Qty.	1 pc(s).

VSPC
VSPC MOV 2CH 24V

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 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	Width (inches)	0.701 inch
Height	90 mm	Height (inches)	3.543 inch
Depth	69 mm	Depth (inches)	2.717 inch
Net weight	44 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	26	MTTF	4,391 Years
PFH in 1*10 ⁻⁹ per hour	0	SFF	100 %
SIL in compliance with IEC 61508	3		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL 497b Certificate
----------------------	---------	----------------	---------------------

CSA protection data

Gas group C	IIB	Gas group D	IIA
Gas groups A, B	IIC	Input voltage, max. U _i	42 V
Internal inductance, max. L _i	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
--------------------	---	------------------------	-----

VSPC
VSPC MOV 2CH 24V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**Rated data IEC / EN**

Rated voltage (AC)	24 V
Voltage type	AC/DC
Max. continuous voltage, U_c (DC)	38 V
Discharge current I_{max} (8/20 μ s) GND-PE	1.5 kA
Discharge current I_n (8/20 μ s) wire-wire	0.2 kA
Lightning test current, I_{imp} (10/350 μ s) GND-PE	0.5 kA
Fuse	10A
Protection level on output side Wire-wire 1 kV/ μ s, typically	80 V
Capacitance	14.5 nF
Overload - failure mode	Mode 1
Rated current I_N	10 A
Signalling contact	No
Surge current-carrying capacity C2	1.5 kA 8/20 μ s
Surge current-carrying capacity D1	0.5 kA 10/350 μ s

Rated voltage (DC)	30 V
Max. continuous voltage, U_c (AC)	30 V
Discharge current I_n (8/20 μ s) GND-PE	0.5 kA
Discharge current I_n (8/20 μ s) wire-PE	2.5 kA
Discharge current I_{max} (8/20 μ s) wire-wire	1.5 kA
Lightning test current, I_{imp} (10/350 μ s) wire-wire	0.2 kA
Standards	IEC 61643-21
Protection level on output side Wire-wire 8/20 μ s, typically	95 V
Number of poles	1
Protection level, U_p wire - wire	200 V
Requirements category acc. to IEC 61643-21	C1, C2, C3, D1
Surge current-carrying capacity C1	< 1 kA 8/20 μ s
Surge current-carrying capacity C3	100 A 10/1000 μ s
Volume resistance	0.20 Ω

Further details of approvals

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

Connection data

Type of connection	Pluggable in VSPC BASE
--------------------	------------------------

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

Product information

Product information	External wire bridges must be used for connection to PE.
---------------------	--

Approvals

Approvals



ROHS	Conform
------	---------

VSPC VSPC MOV 2CH 24V

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Downloads

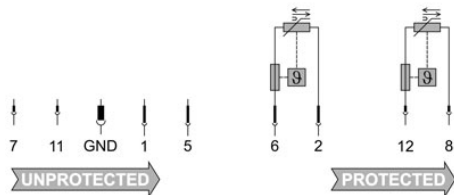
Approval/Certificate/Document of Conformity	SIL Paper CE PAPER Declaration of Conformity
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet Connection of VSPC MOV

VSPC VSPC MOV 2CH 24V

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

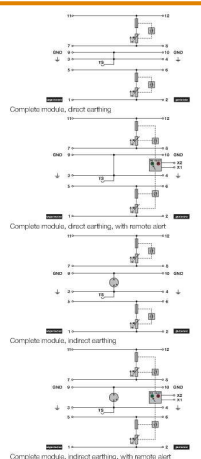
Electric symbol



Similar to illustration

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



Komplettmodul