

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

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



- Optional monitoring function with status display and alert function for MOV components
- Pluggable arrester with components, such as sparkover gaps (GDT), varistors (MOV) and suppressor diodes (TAZ)
- 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, 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
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 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	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 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data**Rated data IEC / EN**

Capacitance 14.5 nF

Discharge current $I_{\max}$ (8/20 μ s) wire-wire 1.5 kADischarge current I_n (8/20 μ s) wire-PE 2.5 kA

Fuse 10A

Lightning test current, I_{imp} (10/350 μ s) wire-wire 0.2 kAMax. continuous voltage, U_c (DC) 38 VProtection level on output side Wire-wire 1 kV/ μ s, typically 80 VProtection level, U_p wire - wire 200 V

Rated voltage (AC) 24 V

Requirements category acc. to IEC 61643-21 C1, C2, C3, D1

Standards IEC 61643-21

Surge current-carrying capacity C2 1.5 kA 8/20 μ sSurge current-carrying capacity D1 0.5 kA 10/350 μ sVolume resistance 0.20 Ω Discharge current $I_{\max}$ (8/20 μ s) GND-PE 1.5 kADischarge current I_n (8/20 μ s) GND-PE 0.5 kADischarge current I_n (8/20 μ s) wire-wire 0.2 kALightning test current, I_{imp} (10/350 μ s) GND-PE 0.5 kAMax. continuous voltage, U_c (AC) 30 V

Overload - failure mode Mode 1

Protection level on output side Wire-wire 8/20 μ s, typically 95 VRated current I_N 10 A

Rated voltage (DC) 30 V

Signalling contact No

Surge current-carrying capacity C1 < 1 kA 8/20 μ sSurge current-carrying capacity C3 100 A 10/1000 μ s

Voltage type AC/DC

Further details of approvals

GOST certificate GOST-Zertifikat

Connection data

Type of connection Pluggable in VSPC BASE

Ratings IECEx/ATEX/cUL

cUL certificate cUL Certificate

Classifications

ETIM 3.0 EC000943

ETIM 5.0 EC000943

UNSPSC 30-21-19-21

eClass 6.2 27-13-08-02

eClass 8.1 27-13-08-11

eClass 9.1 27-13-08-07

ETIM 4.0 EC000943

ETIM 6.0 EC000943

eClass 5.1 27-13-08-01

eClass 7.1 27-13-08-09

eClass 9.0 27-13-08-07

Approvals

Approvals



ROHS

Conform

VSPC VSPC MOV 2CH 24V

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

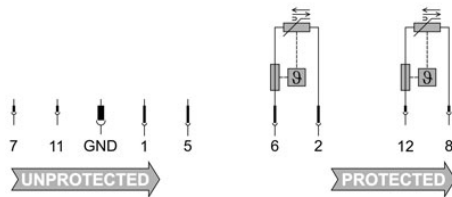
Technical data

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

VSPC
VSPC MOV 2CH 24V

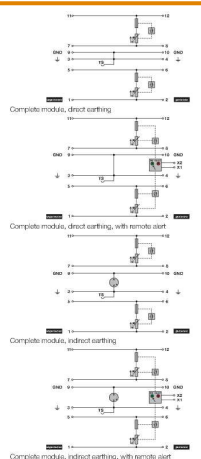
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings
Electric symbol


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



Kompletmodul