

VSSC
VSSC6 MOV 12VDC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Similar to illustration

Overvoltage protection with individual components
with varistors in terminal design

The metal-oxide varistors can be used in terminal design.
They are approved for a maximum sine-wave-form power-
frequency operating voltage, which is printed on the
component. Any voltages greater than the permitted
maximum are discharged safely within 25 ns. Varistors
are used for medium to high power.

**General ordering data**

Type	VSSC6 MOV 12VDC
Order No.	1064530000
Version	Surge protection for instrumentation and control, 12 V, 12 A, According to IEC61643-21
GTIN (EAN)	4032248829866
Qty.	8 pc(s).

VSSC
VSSC6 MOV 12VDC
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	6.2 mm	Width (inches)	0.244 inch
Height	88.5 mm	Height (inches)	3.484 inch
Depth	81 mm	Depth (inches)	3.189 inch
Net weight	48.38 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 Jahre
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 Zertifikat
----------------------	---------	----------------	---------------

CSA protection data

Gas group C	IIB	Gas group D	IIA
Gas groups A, B	IIC	Input current, max. I _I	12 A
Input voltage, max. U _i	15 V	Internal capacity, max. C _I	24 nF
Internal inductance, max. L _i	0 µH		

General data

Colour	black	Design	Terminal
Isolating function	No	Optical function display	No
Protection degree	IP20	Rail	TS 35
Segment	Measurement - Monitoring - Setting	UL 94 flammability rating	V-0
Version	Surge protection for measurement and control		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

VSSC

VSSC6 MOV 12VDC

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	10.8 nF	Discharge current $I_{\max}$ (8/20 μ s) wire-PE	1 kA
Discharge current I_n (8/20 μ s) wire-PE	0.5 kA	Discharge current, max. (8/20 μ s)	2 kA
Max. continuous voltage, U_c (DC)	15 V	Overload - failure mode	Mode 1
Protection level U_p (typ.)	≤ 100 V	Rated current I_N	12 A
Rated voltage (DC)	12 V	Requirements category acc. to IEC 61643-21	C1
Standards	According to IEC61643-21	Surge current-carrying capacity C1	0.25 kA 8/20 μ s 0.5 kV 1.2/50 μ s
Voltage type	DC	Volume resistance	$< 0.1 \Omega$

Further details of approvals

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

Connection data

Type of connection	Screw connection	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.	6 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	4 mm ²	Connection cross-section, stranded, min.	0.5 mm ²
Connection cross-section, stranded, max.	4 mm ²		

Classifications

ETIM 3.0	EC000943	ETIM 4.0	EC000943
ETIM 5.0	EC000943	ETIM 6.0	EC000943
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-27
eClass 6.2	27-13-08-05	eClass 7.1	27-13-08-09
eClass 8.1	27-13-08-11	eClass 9.0	27-13-08-07
eClass 9.1	27-13-08-07		

Approvals

Approvals



ROHS

Conform

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 VSSC

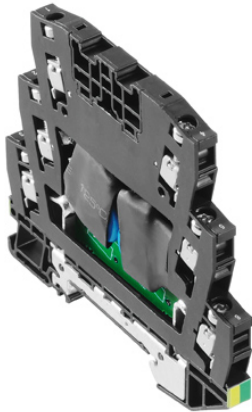
Creation date May 28, 2019 3:24:10 AM CEST

Catalogue status 23.05.2019 / We reserve the right to make technical changes.

VSSC VSSC6 MOV 12VDC

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



Similar to illustration

