

VSSC4 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



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	VSSC4 MOV 12VDC
Order No.	1063950000
Version	Surge protection for instrumentation and control, 12 V, 20 A, IEC 61643-21
GTIN (EAN)	4032248829378
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Width	6.2 mm	Height	76 mm
Depth	58.5 mm	Net weight	27.8 g

Temperatures

Humidity	5...96 %	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+80 °C		

Probability of failure

λ_{ges}	26	MTTF	4,391 Years
PFH in $1 \cdot 10^{-9}$ per hour	0	SFF	100 %
SIL in compliance with IEC 61508	3		

General data

Colour	Black	Isolating function	No
Mounting rail	TS 35	Optical function display	No
Protection degree	IP 20	Segment	Instrumentation and Control
UL 94 flammability rating	V-0		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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technical data

Rated voltage (DC)	12 V	Rated current	32 A
Max. continuous voltage, U_c (DC)	15 V	Discharge current I_n (8/20 μ s) wire-PE	0.5 kA
Discharge current I_{max} (8/20 μ s) wire-PE	1 kA	Discharge current, max. (8/20 μ s)	1 kA
Protection level U_p (typ.)	55 V	Standards	IEC 61643-21
Colour	Black	Humidity	5...96 %
Requirements category acc. to IEC 61643-21	C1	Volume resistance	< 0.1 Ω
Capacitance	11.2 nF	Residual voltage, U_p typical	55 V
Overload - failure mode	Mode 1		

Connection data

Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	4 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	4 mm ²
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.8 Nm

Further details of approvals

GOST certificate	GOST-Zertifikat
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Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL Zertifikat
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Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-27	eClass 6.2	27-13-08-02
eClass 7.1	27-13-08-02		

Product information

Descriptive text ordering data	End plate AP VSSC4 1063120000
Descriptive text accessories	Screwdrivers: Torx® 9009170000 Slot 0.8x4.0 9008340000 EMC Set: 1067470000 Marker: WS10/6 1818400000; DEK 6 0468560000; DEK 5 1768260000; SNAPMARK 1805880000

Approvals

Approvals



ROHS Conform

Probability of failure

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[3D Modell](#)

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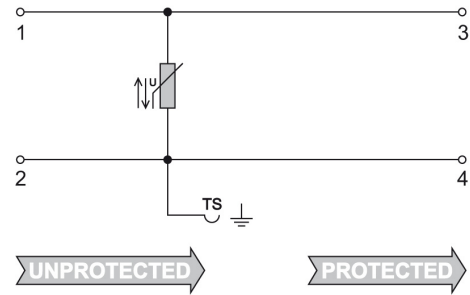
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Zeichnungen



Similar to illustration



Circuit diagram