

VSSC
VSSC6 TRLDMOV120VAC/DC**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
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Germany
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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 TRLDMOV120VAC/DC
Order No.	1064840000
Version	Surge protection for instrumentation and control, 120 V, 170 V, 12 A, IEC 61643-21
GTIN (EAN)	4032248830091
Qty.	5 pc(s).

Creation date April 22, 2020 11:00:49 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	12.4 mm	Width (inches)	0.488 inch
Height	88.5 mm	Height (inches)	3.484 inch
Depth	81 mm	Depth (inches)	3.189 inch
Net weight	62.8 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	37	MTTF	3,085 Jahre
PFH in 1*10 ⁻⁹ per hour	0.9	SFF	97.57 %
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 Zertifikat
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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	212 V	Internal capacity, max. C _i	2 nF
Internal inductance, max. L _i	0 μH		

General data

Colour	black	Design	Terminal
Isolating function	Yes	Optical function display	Yes
Protection degree	IP20	Rail	TS 35
Segment	Measurement - Monitoring - Setting	Testing option	Functional screw with test plug receptacle, connections 1, 2, 4, 5
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
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Technical data**Rated data IEC / EN**

Rated voltage (AC)	120 V	Rated voltage (DC)	170 V
Voltage type	AC/DC	Max. continuous voltage, U _c (AC)	150 V
Max. continuous voltage, U _c (DC)	212 V	Discharge current, max. (8/20 μs)	12 kA
Discharge current I _n (8/20μs) wire-PE	1.5 kA	Discharge current I _{max} (8/20μs) wire-PE	6 kA
Standards	IEC 61643-21	Protection level U _p (typ.)	< 600 V
Capacitance	283 pF	Number of poles	1
Overload - failure mode	Mode 1	Rated current I _N	12 A
Requirements category acc. to IEC 61643-21	C1, C2	Surge current-carrying capacity C1	0.5 kA 8/20 μs 1 kV 1.2/50 μs
Surge current-carrying capacity C2	1.5 kA 8/20 μs	Volume resistance	< 0.1 Ω

Further details of approvals

GOST certificate	GOST-Zertifikat
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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 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	30-21-18-11

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

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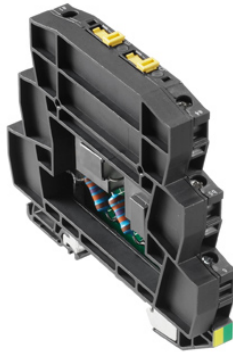
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Data sheet

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Drawings



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