

VSSC6TRGDT110VAC/DC10kA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



Überspannungsschutz mit Einzelkomponenten
Mit Gasableiter in Klemmenbauform
In der Klemmenbauform setzt man Gasableiter /
Funkenstrecken (GDT) ein. Sie sind für eine maximale
Gleichspannung zugelassen, die auf dem Bauelement
aufgedruckt ist. Jede Spannung, die größer als die
angegebene ist, wird sicher in ca. 10-100µs abgeleitet.
Gasableiter finden für größere Leistungen Verwendung.

General ordering data

Type	VSSC6TRGDT110VAC/DC10kA
Order No.	1064890000
Version	Surge protection for instrumentation and control, 110 V, 156 V, 12 A, IEC 61643-21
GTIN (EAN)	4032248830145
Qty.	10 pc(s).

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Technische Daten**Dimensions and weights**

Width	6.2 mm	Height	88.5 mm
Depth	81 mm	Net weight	43.6 g

Temperatures

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

Probability of failure

λ_{ges}	10	MTTF	11,416 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	Yes
Mounting rail	TS 35	Optical function display	No
Protection degree	IP 20	Segment	Instrumentation and Control
Testing option	Functional screw with test plug receptacle, connections 1, 2, 4, 5	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Interference voltage

Protection level on output side Wire-PE 1kV/ μ s, typically	1,153 V
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Protection level

Protection level, U_P wire - PE	1,153 V
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technical data

Rated voltage (AC)	110 V	Rated voltage (DC)	156 V
Rated current	12 A	Max. continuous voltage, U_c (AC)	138 V
Max. continuous voltage, U_c (DC)	195 V	Highest continuous voltage (AC)	138 V
Discharge current I_n (8/20 μ s) wire-PE	2.5 kA	Discharge current I_{max} (8/20 μ s) wire-PE	10 kA
Discharge current, max. (8/20 μ s)	20 kA	Standards	IEC 61643-21
Colour	Black	Humidity	5...96 %
Requirements category acc. to IEC 61643-21	C2, C3, D1	Lightning test current I_{imp} (10/350 μ s)	1 kA
Volume resistance	< 0.1 Ω	Capacitance	4.2 nF
Residual voltage, U_P typical	1,153 V	Overload - failure mode	Modus 2

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Technische Daten

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

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	27-13-08-05
eClass 7.1	27-13-08-05		

Product information

Descriptive text ordering data	End plate AP VSSC6 1063110000
Descriptive text accessories	Screwdriver: Torx® 9009170000 Slot 0.8x4.0 9008340000 Test plug PS2.3 0180400000 EMC Set: 1067470000 Marker: WS10/6 1818400000; DEK 6 0468560000; DEK 5 176826; SNAPMARK 1805880000

Approvals

Approvals



ROHS	Conform
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Probability of failure

SIL PAPER	SIL Paper
3D Modell	

Downloads

Package insert	Instruction sheet VSSC6
SIL PAPER	SIL Paper
Declaration of Conformity	CE document
3D Modell	

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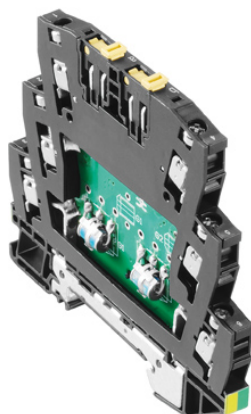
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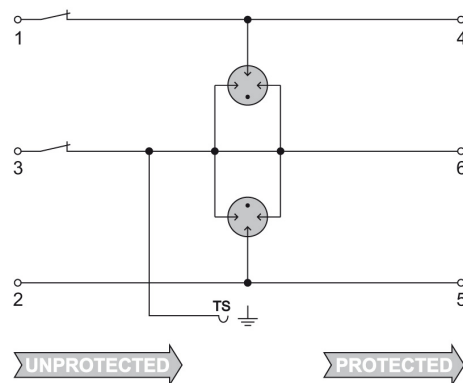
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Similar to illustration



Circuit diagram