

VSSC VSSC6 GDT 110VAC/DC10kA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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	VSSC6 GDT 110VAC/DC10kA
Order No.	1064690000
Version	Surge protection for instrumentation and control, 110 V, 156 V, 12 A, IEC 61643-21
GTIN (EAN)	4032248829972
Qty.	10 pc(s).

VSSC
VSSC6 GDT 110VAC/DC10kA

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	44.2 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

λ_{ges}	10	MTTF	11,416 Jahre
PFH in $1 \cdot 10^{-9}$ per hour	0	SFF	100 %
SIL in compliance with IEC 61508	3		

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	195 V	Internal capacity, max. C_i	0 nF
Internal inductance, max. L_i	0 μ H		

General data

Colour	Black	Design	Terminal
Isolating function	No	Mounting rail	TS 35
Optical function display	No	Protection degree	IP20
Segment	Instrumentation and Control	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
--------------------	---	------------------------	-----

Rated data IEC / EN

Capacitance	4.2 nF	Discharge current I_{max} (8/20 μ s) wire-PE	10 kA
Discharge current I_n (8/20 μ s) wire-PE	2.5 kA	Discharge current, max. (8/20 μ s)	20 kA
Lightning test current I_{imp} (10/350 μ s)	1 kA	Lightning test current, I_{imp} (10/350 μ s) Wire-PE	1 kA
Max. continuous voltage, U_c (AC)	138 V	Max. continuous voltage, U_c (DC)	195 V
Overload - failure mode	Modus 2	Protection level U_p (typ.)	\leq 1200 V
Rated current I_N	12 A	Rated voltage (AC)	110 V
Rated voltage (DC)	156 V	Requirements category acc. to IEC 61643-21	C2, C3, D1
Standards	IEC 61643-21	Surge current-carrying capacity C2	2.5 kA 8/20 μ s 5 kV 1.2/50 μ s
Surge current-carrying capacity C3	50 A 10/1000 μ s	Surge current-carrying capacity D1	1 kA 10/350 μ s
Voltage type	AC/DC	Volume resistance	$<$ 0.1 Ω

Creation date June 21, 2018 5:05:35 PM CEST

VSSC
VSSC6 GDT 110VAC/DC10kA**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****Further details of approvals**

GOST certificate GOST-Zertifikat

Connection data

Type of connection	Screw connection, Torx® T15, Slotted 0.8 x 4	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		

Rated data UL

UL certificate UL Zertifikat

Ratings IECEx/ATEX/cUL

cUL certificate cUL Certificate

Classifications

ETIM 3.0	EC000943	ETIM 4.0	EC000941
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	27-13-08-11
eClass 9.1	27-13-08-07		

Product information

Descriptive text ordering data End plate AP VSSC6 1063110000

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

Downloads

Approval/Certificate/Document of Conformity	SIL Paper CE PAPER
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet VSSC

Creation date June 21, 2018 5:05:35 PM CEST

Catalogue status 15.06.2018 / We reserve the right to make technical changes.

Data sheet

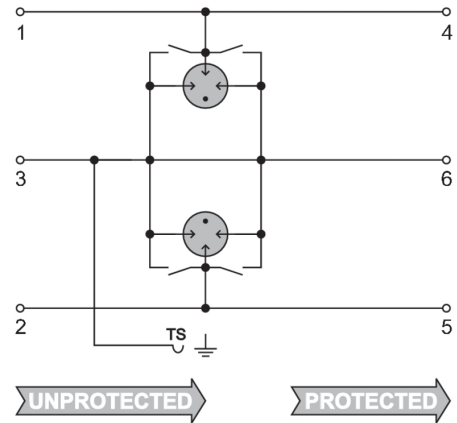
**VSSC
VSSC6 GDT 110VAC/DC10kA**

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



Circuit diagram