

VSSC
VSSC6TRGDT24VAC/DC10kA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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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	VSSC6TRGDT24VAC/DC10kA
Order No.	1064870000
Version	Surge protection for instrumentation and control, 24 V, 34 V, 12 A, IEC 61643-21
GTIN (EAN)	4032248830121
Qty.	10 pc(s).

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

General data

Colour	Black	Design	Terminal
Isolating function	Yes	Mounting rail	TS 35
Optical function display	No	Protection degree	IP20
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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Rated data IEC / EN

Capacitance	1.5 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)	30 V	Max. continuous voltage, U_c (DC)	42 V
Overload - failure mode	Modus 2	Protection level U_p (typ.)	< 1000 V
Rated current I_N	12 A	Rated voltage (AC)	24 V
Rated voltage (DC)	34 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

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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 mm²
Clamping range, max.	4 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, max.	6 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	4 mm²	Connection cross-section, stranded, min.	0.5 mm²
Connection cross-section, stranded, max.	4 mm²		

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 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

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](#)

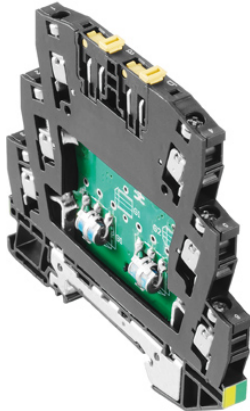
Creation date 14 February 2018 16:55:46 CET

Catalogue status 09.02.2018 / We reserve the right to make technical changes.

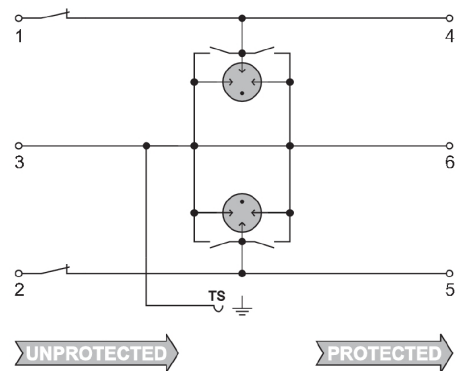
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Drawings



Similar to illustration



Circuit diagram