

VSSC

VSSC4 GDT 240VAC/DC20kA

Weidmüller Interface GmbH & Co. KG
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Surge protection with individual components
 With gas-discharge tubes in terminal design
 Gas-discharge tubes / sparkover gaps (GDT) are designed with a terminal shape. They are approved for a maximum DC voltage, which is printed on the component. Any voltage greater than the amount specified is safely discharged within about 10-100µs. Gas arresters can be used for high-power applications.

General ordering data

Type	VSSC4 GDT 240VAC/DC20kA
Order No.	1064060000
Version	Surge protection for instrumentation and control, 240 V, 339 V, 20 A, IEC 61643-21
GTIN (EAN)	4032248829477
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	12.2 mm	Width (inches)	0.48 inch
Height	76 mm	Height (inches)	2.992 inch
Depth	58.5 mm	Depth (inches)	2.303 inch
Net weight	37.4 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	20 A
Input voltage, max. U_i	407 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

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Rated data IEC / EN

Capacitance	4.65 pF	Discharge current I_{max} (8/20 μ s) wire-PE	20 kA
Discharge current I_n (8/20 μ s) wire-PE	5 kA	Discharge current, max. (8/20 μ s)	20 kA
Lightning test current I_{imp} (10/350 μ s)	2.5 kA	Lightning test current, I_{imp} (10/350 μ s)	
Max. continuous voltage, U_c (AC)	288 V	Wire-PE	2.5 kA
Overload - failure mode	Modus 2	Max. continuous voltage, U_c (DC)	407 V
Rated current I_N	20 A	Protection level U_p (typ.)	\leq 1200 V
Rated voltage (DC)	339 V	Rated voltage (AC)	240 V
Standards	IEC 61643-21	Requirements category acc. to IEC 61643-21	C2, C3, D1
Surge current-carrying capacity C3	100 A 10/1000 μ s	Surge current-carrying capacity C2	5 kA 8/20 μ s
Voltage type	AC/DC	Surge current-carrying capacity D1	2.5 kA 10/350 μ s
		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 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	EC000381
ETIM 5.0	EC000943	ETIM 6.0	EC000943
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-27
eClass 6.2	27-13-08-02	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 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

Downloads

Approval/Certificate/Document of Conformity	SIL Paper CE PAPER
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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Data sheet

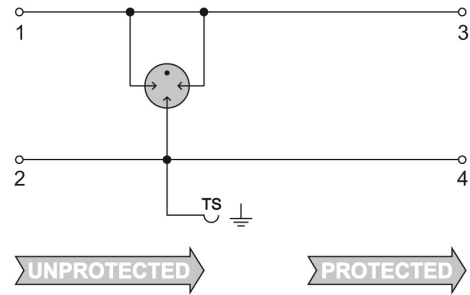
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Drawings



Similar to illustration



Circuit diagram