

VSSC4 GDT 110VAC/DC20kA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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 110VAC/DC20kA
Order No.	1064050000
Version	Surge protection for instrumentation and control, 110 V, 156 V, 20 A, IEC 61643-21
GTIN (EAN)	4032248829460
Qty.	5 pc(s).

VSSC4 GDT 110VAC/DC20kA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technische Daten

Dimensions and weights

Width	12.2 mm	Height	76 mm
Depth	58.5 mm	Net weight	33.6 g

Temperatures

Humidity	5...96 %	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+80 °C		

Probability of failure

λges	10	MTTF	11,416 Years
PFH in 1*10 ⁻⁹ per hour	0	SFF	100 %
SIL in compliance with IEC 61508	3		

General data

Colour	Black	Isolating function	No
Mounting rail	TS 35	Optical function display	No
Protection degree		Segment	Instrumentation and Control
	IP 20		
UL 94 flammability rating	V-0		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

technical data

Rated voltage (AC)	110 V	Rated voltage (DC)	156 V
Rated current	32 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 (8/20µs) wire-PE	5 kA	Discharge current I _{max} (8/20µs) wire-PE	20 kA
Discharge current, max. (8/20 µs)	20 kA	Protection level U _p (typ.)	845 V
Standards	IEC 61643-21	Colour	Black
Humidity		Requirements category acc. to IEC 61643-21	C2, C3, D1
	5...96 %	Volume resistance	< 0.1 Ω
Lightning test current I _{imp} (10/350 µs)	2.5 kA	Residual voltage, U _p typical	845 V
Capacitance	4.65 pF		
Overload - failure mode	Modus 2		

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
------------------	-----------------

Rated data UL

UL certificate	UL Zertifikat
----------------	---------------

VSSC4 GDT 110VAC/DC20kA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technische Daten

Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-27	eClass 6.2	27-13-08-02
eClass 7.1	27-13-08-02		

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

Probability of failure

SIL PAPER [SIL Paper](#)
[3D Modell](#)

Downloads

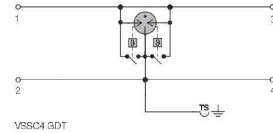
Package insert [Instruction sheet](#)
 SIL PAPER [SIL Paper](#)
 Declaration of Conformity [CE document](#)
 EPLAN [1064050000.ema](#)
[3D Modell](#)

VSSC4 GDT 110VAC/DC20kA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Zeichnungen

Similar to illustration



Circuit diagram