

VSSC4 GDT 240VAC/DC20kA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

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

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

Creation date March 22, 2021 10:10:08 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

VSSC4 GDT 240VAC/DC20kA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

Depth	58.5 mm	Depth (inches)	2.303 inch
Height	76 mm	Height (inches)	2.992 inch
Net weight	37.4 g	Width	12.4 mm
Width (inches)	0.488 inch		

Temperatures

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

Probability of failure

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

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 μH		

General data

Colour	black	Design	Terminal
Isolating function	No	Optical function display	No
Protection degree	IP20	Rail	TS 35
Segment	Measurement - Monitoring - Setting	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
--------------------	---	------------------------	-----

VSSC4 GDT 240VAC/DC20kA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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)	2.5 kA
Max. continuous voltage, U_c (AC)	288 V	Wire-PE	2.5 kA
Number of poles	1	Max. continuous voltage, U_c (DC)	407 V
Protection level U_p (typ.)	≤ 1200 V	Overload - failure mode	Modus 2
Rated voltage (AC)	240 V	Rated current I_N	20 A
Requirements category acc. to IEC 61643-21	C2, C3, D1	Rated voltage (DC)	339 V
Surge current-carrying capacity C2	5 kA 8/20 μ s	Standards	IEC 61643-21
Surge current-carrying capacity D1	2.5 kA 10/350 μ s	Surge current-carrying capacity C3	100 A 10/1000 μ s
Volume resistance	<0.1 Ω	Voltage type	AC/DC

Further details of approvals

GOST certificate	GOST-Zertifikat
------------------	-----------------

Connection data

Type of connection	Screw connection	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		

Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate
-----------------	-----------------

Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ECLASS 9.0	27-13-08-07	ECLASS 9.1	27-13-08-07
ECLASS 10.0	27-13-08-07	ECLASS 11.0	27-13-08-07

VSSC4 GDT 240VAC/DC20kA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Tender specification sheets

Long specification	Short specification
Feed-through terminal, 12.4mm wide with gas-filled surge voltage arrester between the signal line connection and the mounting rail potential, TS 35 contact base. A signal with max. 32A can be protected here. When the terminal is fitted, a simultaneous electrically conducting contact is made between the mounting rail (earth) and the reference potential (ground) of the protection circuit in the terminal. Optical identification of the terminal based on the type of protected switching and the voltage level. The terminal can be labelled or marked.	Feed-through terminal with gas-filled surge voltage arrester between the signal line connection and the mounting rail potential, TS 35 contact base. Version: 240V AC

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	SIL Paper Certificate of Compliance CE PAPER Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet VSSC

VSSC4 GDT 240VAC/DC20kA

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

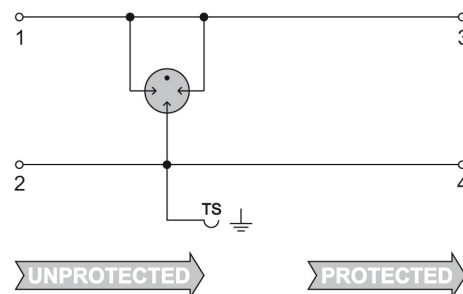
Germany

www.weidmueller.com

Drawings



Similar to illustration



Circuit diagram

