

VSSC4 GDT 24VAC/DC 20KA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Surge protection for instrumentation and control, Surge protection for measurement and control, $U_p(L/N-PE) < 1000\text{ V}$
Order No.	1064030000
Type	VSSC4 GDT 24VAC/DC 20KA
GTIN (EAN)	4032248829446
Qty.	5 pc(s).

Creation date October 30, 2021 10:17:21 AM CEST

Catalogue status 22.10.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Depth	58.5 mm	Depth (inches)	2.303 inch
Height	76 mm	Height (inches)	2.992 inch
Width	12.4 mm	Width (inches)	0.488 inch
Net weight	37.8 g		

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 %
λ_{ges}	10	PFH in $1 \cdot 10^{-9}$ per hour	0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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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	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	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
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Technical data**Rated data IEC / EN**

Capacitance	4.96 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	Max. continuous voltage, U_c (AC)	30 V
Max. continuous voltage, U_c (DC)	42 V	Number of poles	1
Overload - failure mode	Modus 2	Protection level U_p (typ.)	< 1000 V
Pulse-reset capacity	≤ 20 ms	Rated current I_N	20 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	5 kA 8/20 μ s	Surge current-carrying capacity C3	100 A 10/1000 μ s
Surge current-carrying capacity D1	2.5 kA 10/350 μ s	Voltage type	AC/DC
Volume resistance	<0.1 Ω		

Further details of approvals

GOST certificate	GOST-Zertifikat
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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
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Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ETIM 8.0	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		

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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: 24V AC

Important note

Product information	Mode 2: State where the voltage-limiting part of the SPD was short-circuited due to a very low impedance within the SPD. The line is inoperable, but the measuring equipment is still protected by means of a short-circuit.
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	SIL Paper Certificate of Compliance EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format

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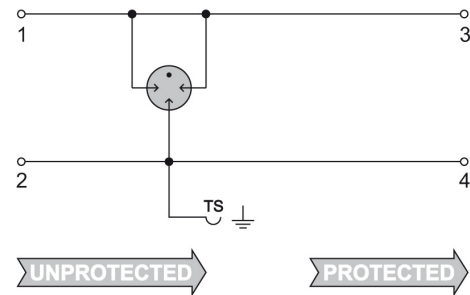
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Drawings



Similar to illustration



Circuit diagram

