

VSSC4 TAZ 48VAC/DC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

Surge protection with individual components

- With suppressor diodes

Suppressor diodes work similarly as conventional Zener diodes. The diode becomes conductive within 10–100ps after a certain breakdown voltage, set by the manufacturer, is exceeded. Compared to Zener diodes, suppressor diodes have a higher current-carrying capacity and a shorter reaction time.

General ordering data

Version	Surge protection for instrumentation and control, Surge protection for measurement and control, $U_p(L/N-PE) < 165\text{ V}$
Order No.	1064090000
Type	VSSC4 TAZ 48VAC/DC
GTIN (EAN)	4032248829507
Qty.	10 pc(s).

Creation date June 14, 2025 3:15:37 PM CEST

Catalogue status 07.06.2025 / 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	6.2 mm	Width (inches)	0.244 inch
Net weight	26 g		

Temperatures

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

Probability of failure

SIL in compliance with IEC 61508	3	MTTF	3,567 a
SFF	100 %	λ_{ges}	32
PFH in $1 \cdot 10^{-9}$ per hour	0		

Rated data UL

UL certificate	UL Zertifikat
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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	85 V	Internal capacity, max. C_i	1 nF
Internal inductance, max. L_i	0 μ H		

General data

Number of poles	1	Protection degree	IP20
Colour	black		

Insulation coordination acc. to EN 50178

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

Capacitance	0.45 nF	Discharge current I_{max} (8/20 μ s) wire-PE	0,1 kA
Discharge current I_n (8/20 μ s) wire-PE	0.05 kA	Discharge current, max. (8/20 μ s)	0.1 kA
Max. continuous voltage, U_c (AC)	60 V	Max. continuous voltage, U_c (DC)	85 V
Number of poles	1	Overload - failure mode	Mode 1
Protection level U_p (typ.)	< 165 V	Rated current I_N	20 A
Rated voltage (AC)	48 V	Rated voltage (DC)	75 V
Standards	According to IEC61643-21	Surge current-carrying capacity C3	15 A
Voltage type	AC/DC	Volume resistance	<0.1 Ω

Further details of approvals

GOST certificate	GOST-Zertifikat
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Connection data

Stripping length	10 mm	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

Electrical data

Voltage type	AC/DC
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Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate
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Classifications

ETIM 7.0	EC000943	ETIM 8.0	EC000943
ETIM 9.0	EC000943	ETIM 10.0	EC000943
ECLASS 12.0	27-17-15-01	ECLASS 13.0	27-17-15-01
ECLASS 14.0	27-17-15-01	ECLASS 15.0	27-17-15-01

Tender specification sheets

Long specification	<p>Feed-through terminal, 6.2 mm wide with suppressor diodes 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.</p>	Short specification	<p>Feed-through terminal with suppressor diode between the signal line connection and the mounting rail potential, TS 35 contact base. Version: 48 V UC</p>
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	71e97bb7-979f-4330-94c0-20c629bb05e3

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Important note

Product information Mode 1: State where the voltage-limiting part of the SPD was disconnected. The voltage limiting function is no longer available, but the cable is still functional.

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319227/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319238/-T1z1mm-S800/

ROHS Conform

Downloads

Approval/Certificate/Document of Conformity [SIL Paper](#)
[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data [CAD data – STEP](#)

User Documentation [Beipackzettel / Instruction sheet](#)

Catalogues [Catalogues in PDF-format](#)

Brochures

Data sheet

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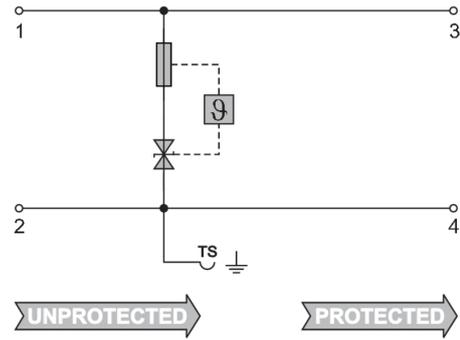
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Drawings



Similar to illustration



Circuit diagram

