VSSC4 CL FG 24VAC/DC Ex

Weidmüller Interface GmbH & Co. KG
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Overvoltage coupling along the conductor path may disturb or destroy sensitive signal inputs. It is important to provide protection in the immediate vicinity of I&C devices. Weidmüller's broad product range for the I&C sector offers products in a 2-piece, pluggable design and modular terminals for tension clamp or screw connection. These products are suitable for both binary and analogue signals. Weidmüller also offers other designs with integrated components such as gas discharge tubes or varistors. VARITECTOR stands for flexible and variable surge protection by Weidmüller, tested according to product standard IEC61643-21. The VARITECTOR series can be used in applications according to IEC 61643-22 / VDE 0845-3 for classes C1, C2, C3 and D1. The VARITECTOR SPC, SSC and MCZ OVP product families optimally combine electrical and mechanical properties. Size and easy handling play an important role. This surge protection is suited for confined spaces in industrical and process automation as well as in building automation applications.

General ordering data

Order No.	1063810000
Type	VSSC4 CL FG 24VAC/DC Ex
Version	Surge protection for instrumentation and control
GTIN (EAN)	4032248829255
Qty.	5 pc(s).

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Technical data

Dimensions and weights

Width	12.2 mm	Height	76 mm
Depth	58.5 mm	Net weight	27.4 g

Temperatures

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

Probability of failure

PFH in $1*10^{-9}$ per hour	1.95	SFF	93.28 %
SIL in compliance with IEC 61508	3		

General data

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

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

technical data

Rated voltage (AC)	24 V	Rated voltage (DC)	34 V
Rated current	300 mA	Max. continuous voltage, Uc (AC)	30 V
Max. continuous voltage, Uc (DC)	42 V	Discharge current I_n (8/20µs) wire-wire	2.5 kA
Discharge current I_{max} (8/20µs) wire-wire	5 kA	Discharge current I_n (8/20µs) wire-PE	2.5 kA
Discharge current I_{max} (8/20µs) wire-PE	5 kA	Discharge current, max. (8/20 µs)	10 kA
Protection level U_P (typ.)	≤ 1940 V	Standards	IEC61643-21:2009, DIN EN 60079-0.2009, DIN EN 60079-26:2007, DIN EN 61241-11:2006
Colour	Light Blue	Humidity	5...96 %
Requirements category acc. to IEC 61643-21	C2, C3, D1	Lightning test current I_{imp} (10/350 µs)	0.5 kA
Volume resistance	1.8 Ω 10 %	Residual voltage, U_P typical	918 V
Dielectric strength at FG against PE	≥ 500 V	Overload - failure mode	Modus 2

Connection data

Clamping range, rated connection, min.	0.5 mm²	Clamping range, rated connection, max.	4 mm²
Wire connection cross section, stranded, rated connection, min.	0.5 mm²	Wire connection cross section, stranded, rated connection, max.	4 mm²
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.8 Nm

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EX protection data

Input power, max. P_I	0.75 W	Internal capacitance, max. C_I	1 nF
Internal inductance, max. L_I	0 µH	Temperature class T4/135°C (-40°C ... +120 °C) Ii	300 mA
Temperature class T5/100°C (-40 ° C ... +85 °C) Ii	300 mA	Temperature class T6/85 °C (-40 °C ... +70 °C) Ii	300 mA

Further details of approvals

GOST certificate	GOST-Zertifikat

Rated data UL

UL certificate	UL Zertifikat

Ratings IECEx/ATEX

ATEX certificate	ATEX Certificate	IEC Ex certificate	IECEX Zertifikat

Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-19-21
eClass 4.1	27-13-08-01	eClass 5.1	27-13-08-01
eClass 6.2	27-13-08-02	eClass 7.1	27-13-08-02

Approvals

Approvals	GOSTEX ME25 TÜV Type Approved
ROHS	Conform

Probability of failure

SIL PAPER	SIL Paper
3-D model	

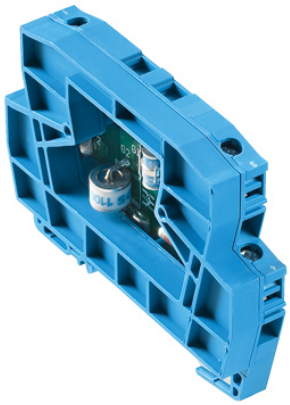
Downloads

Package insert	Instruction sheet VSSC
Declaration of Conformity	K378_02_11.pdf
PDF	Type examination certificate
3-D model	

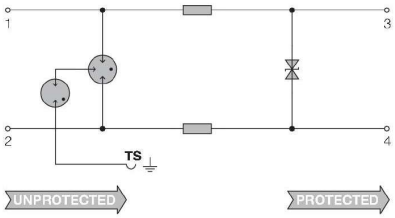
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Drawings



Similar to illustration



Circuit diagram



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