

VSSC4 RC 24VAC/DC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Surge protection with individual components

- With suppressor circuitry / RC circuitry
- Can be used to fix solenoid valves

General ordering data

Version	Surge protection for instrumentation and control, 24 V, 34 V, 20 A, IEC 61643-21
Order No.	1064120000
Type	VSSC4 RC 24VAC/DC
GTIN (EAN)	4032248829521
Qty.	5 pc(s).

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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
Net weight	35.2 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	4,048 Jahre	SFF	97.16 %
λ_{ges}	28.2	PFH in $1 \cdot 10^{-9}$ per hour	80

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (UL)	E311081	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	16 A
Input voltage, max. U_i	42 V	Internal capacity, max. C_i	222 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	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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Rated data IEC / EN

Capacitance	8.5 nF	Discharge current I_n (8/20µs) wire-PE	0.5 kA
Discharge current, max. (8/20 µs)	1 kA	Max. continuous voltage, U_c (AC)	30 V
Max. continuous voltage, U_c (DC)	42 V	Number of poles	1
Overload - failure mode	Mode 1	Protection level U_p (typ.)	150 V
Rated current I_N	20 A	Rated voltage (AC)	24 V
Rated voltage (DC)	34 V	Requirements category acc. to IEC 61643-21	C1
Standards	IEC 61643-21	Surge current-carrying capacity C1	0.25 kA 8/20 µs 0.5 kV 1.2/50 µs
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
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

Tender specification sheets

Long specification	Feed-through terminal, 12.4mm wide with a sparkover gap and interference suppressor combination between the signal line connection, TS 35 mounting foot. A signal with max. 20A can be protected here. Optical identification of the terminal based on the type of protected switching and the voltage level. The terminal can be labelled or marked.	Short specification	Feed-through terminal with a sparkover gap and interference suppressor combination between the signal line connection, TS 35 mounting foot. Version: 24 V UC
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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS	Conform
UL File Number Search	E311081

Downloads

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

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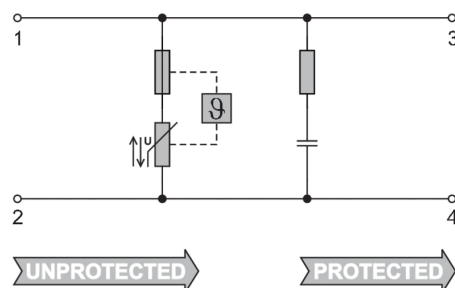
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Drawings



Similar to illustration



Circuit diagram

