

VSSC
VSSC6 RS232**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Overvoltage protection for RS232 data interfaces
Protective module for mounting rail or as socket-adaptor enclosure
Serial interface for point-to-point connections up to 20 kBit/s earth-related voltage signal: logical one (mark) -15 V to -3 V logical zero (space) +3 V to +15 V max. signal level +/-15 V Cable length up to 20 m, depending on the transmission rate.

General ordering data

Type	VSSC6 RS232
Order No.	1064990000
Version	Surge protection for instrumentation and control, 12 V, 500 mA, IEC 61643-21
GTIN (EAN)	4032248830237
Qty.	10 pc(s).

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Technical data
Dimensions and weights

Width	6.2 mm	Width (inches)	0.244 inch
Height	88.5 mm	Height (inches)	3.484 inch
Depth	81 mm	Depth (inches)	3.189 inch
Net weight	40.2 g		

Temperatures

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

Probability of failure

λges	76	MTTF	1,502 Jahre
PFH in 1*10 ⁻⁹ per hour	3.5	SFF	95.39 %
SIL in compliance with IEC 61508	3		

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

Input current, max. I _i	500 mA	Internal capacity, max. C _i	7 nF
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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**Discharge current $I_{\max}$ (8/20 μ s) wire-PE

10 kA

Discharge current I_n (8/20 μ s) wire-PE

2.5 kA

Discharge current, max. (8/20 μ s)

20 kA

Lightning test current I_{imp} (10/350 μ s)

0.5 kA

Max. continuous voltage, U_c (DC)

15 V

Protection level U_p (typ.) ≤ 100 VRated current I_N

500 mA

Requirements category acc. to IEC

61643-21

C2, C3, D1

Standards

IEC 61643-21

Surge current-carrying capacity C3

10 A 10/1000 μ s

Voltage type

AC

Discharge current $I_{\max}$ (8/20 μ s) wire-

wire

10 kA

Discharge current I_n (8/20 μ s) wire-wire

2.5 kA

Insertion loss

1.43 Mhz

Lightning test current, I_{imp} (10/350 μ s)

Wire-PE

0.5 kA

Overload - failure mode

Modus 2

Pulse-reset capacity

 ≤ 15 ms

Rated voltage (DC)

12 V

Signal transmission properties (-3 dB)

1.4 MHz

Surge current-carrying capacity C2

2.5 kA 8/20 μ s 5 kV1.2/50 μ s

Surge current-carrying capacity D1

0.5 kA 10/350 μ s

Volume resistance

1.8 Ω 10 %**Further details of approvals**

GOST certificate

GOST-Zertifikat

Connection data

Type of connection

Screw connection

Tightening torque, max.

0.8 Nm

Clamping range, max.

4 mm²

Wire cross-section, solid, max.

6 mm²Conductor cross-section, flexible, AEH
(DIN 46228-1), max.4 mm²Connection cross-section, stranded,
max.4 mm²

Tightening torque, min.

0.5 Nm

Clamping range, min.

0.5 mm²

Wire cross-section, solid, min.

0.5 mm²Conductor cross-section, flexible, AEH
(DIN 46228-1), min.0.5 mm²

Connection cross-section, stranded, min.

0.5 mm²**Ratings IECEx/ATEX/cUL**

cUL certificate

cUL Certificate

Classifications

ETIM 3.0

EC000943

ETIM 5.0

EC000943

UNSPSC

30-21-19-21

eClass 6.2

27-14-02-01

eClass 8.1

27-13-08-11

eClass 9.1

27-13-08-07

ETIM 4.0

EC000943

ETIM 6.0

EC000943

eClass 5.1

27-13-08-01

eClass 7.1

27-13-08-09

eClass 9.0

27-13-08-07

Approvals

Approvals



ROHS

Conform

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Technical data

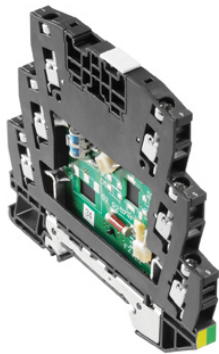
Downloads

Approval/Certificate/Document of Conformity	SIL Paper CE PAPER Declaration of Conformity
Brochure/Catalogue	CAT 4.4 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet VSSC

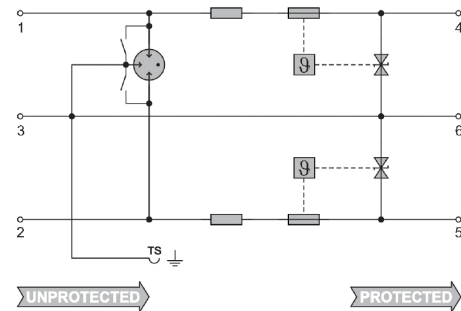
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Drawings



Similar to illustration



Circuit diagram

