

VSSC4 RC 240VAC/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 circuitry / RC circuitry
- Can be used to fix solenoid valves

General ordering data

Version	Surge protection for instrumentation and control, Surge protection for measurement and control, $U_p(L/N-PE) < 500\text{ V}$
Order No.	1064130000
Type	VSSC4 RC 240VAC/DC
GTIN (EAN)	4032248829538
Qty.	5 pc(s).

Creation date June 12, 2025 1:19:43 PM CEST

Catalogue status 07.06.2025 / We reserve the right to make technical changes.

VSSC4 RC 240VAC/DC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	35 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	4,048 a
SFF	97.16 %	λges	28.2
PFH in 1*10 ⁻⁹ per hour	80		

Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL Zertifikat
----------------------	---------	----------------	---------------

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	407 V	Internal capacity, max. C _i	222 nF
Internal inductance, max. L _i	0 μH		

General data

Number of poles	1	Protection degree	IP20
Colour	black		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

Rated data IEC / EN

Capacitance	220 nF	Discharge current I _n (8/20μs) wire-PE	1.2 kA
Discharge current, max. (8/20 μs)	2.5 kA	Max. continuous voltage, U _c (AC)	275 V
Max. continuous voltage, U _c (DC)	388 V	Number of poles	1
Overload - failure mode	Mode 1	Protection level U _p (typ.)	< 500 V
Rated current I _N	20 A	Rated voltage (AC)	240 V
Rated voltage (DC)	339 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
------------------	-----------------

VSSC4 RC 240VAC/DC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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
--------------	-------

Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate
-----------------	-----------------

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	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: 240 V UC
--------------------	---	---------------------	---

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7cl
REACH SVHC	No SVHC above 0.1 wt%

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.
---------------------	---

VSSC4 RC 240VAC/DC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

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/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319252/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319261/-T1z1mm-S800/
-----------------	---

ROHS	Conform
------	---------

UL File Number Search	UL Website
-----------------------	------------

Certificate No. (UL)	E311081
----------------------	---------

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

VSSC4 RC 240VAC/DC

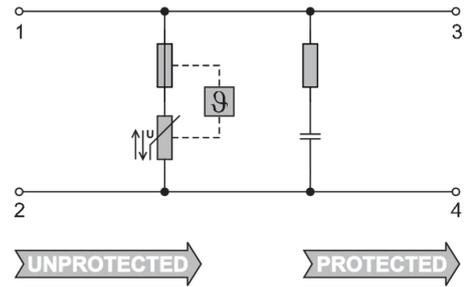
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



Similar to illustration



Circuit diagram

