

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com













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Similar to illustration

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

Version	Surge protection for instrumentation and control,
	Surge protection for measurement and control,
	UP(L/N-PE) 150 V
Order No.	<u>1354790000</u>
Туре	VSSC6TRSL24VAC/DC0.5A
GTIN (EAN)	4050118156744
Qty.	10 items





Weidmüller Interface GmbH & Co. KG

Measurement - Monitoring

2

- Setting

Terminal

black

TS 35

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Technical data

Approvals	C CSAEX	ÖVE) 🖖	
ROHS	Conform	LISTED	
UL File Number Search	UL Website		
Certificate No. (UL)	E311081		
Dimensions and weights			
Depth	81 mm	Depth (inches)	3.189 inch
Height	88.5 mm	Height (inches)	3.4842 inch
Width	6.2 mm	Width (inches)	0.2441 inch
Net weight	47 g	vidii (iiiciics)	0.2441 111011
Temperatures			
0.	40.00 00.00		40.00 70.00
Storage temperature	-40 °C80 °C 596 %	Operating temperature	-40 °C70 °C
Humidity	596 %		
Probability of failure			
SIL in compliance with IEC 61508	3	MTTF	1358 a
SFF	96.67 %	λges	54
PFH in 1*10-9 per hour	1.8		
Environmental Product Comp	liance		
RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	Compliant with exemption 7a, 7cl		
REACH SVHC	Lead 7439-92-1		
SCIP	71e97bb7-979f-4330-94c	0-20c629bb05e3	
Rated data UL			
Certificate No. (UL)	E311081	UL certificate	UL Zertifikat - PDF/ E311081VOL1SEC3.pd (application/pdf)
CSA protection data			
Gas group D	IIA	Gas groups A, B	IIC
Input-current, max. II	500 mA	Gas group C	IIB
		Internal capacity, max. CI	2 nF
Internal inductance, max. LI	0 μΗ	internal capacity, max. Ci	ZNF

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No

V-0

IP20

Surge protection for measurement and control

Optical function display

UL 94 flammability rating

Protection degree

Version

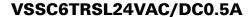
Segment

Design

Colour

Mounting rail







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Technical data

Isolating function	Yes	Operating altitude	≤ 2000 m
Testing option	Functional screw with test plug receptacle, connections 1, 2, 4, 5		

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2

Rated data IEC / EN

nated data ILO / LIV			
Number of poles	1	Leakage current at Un	2.8 mA
Rated voltage (AC)	24 V	Rated voltage (DC)	34 V
Rated current IN	500 mA	Protection level UP (typ.)	150 V
Voltage type	AC/DC	Fuse protection	0.5 A
Volume resistance	1.8 Ω 10 %	Standards	IEC 61643-21
Lightning test current limp (10/350 μs)	1 kA	Discharge current, max. (8/20 µs)	20 kA
Requirements category acc. to IEC 61643-21	C2, C3, D1	Insertion loss	3.12 Mhz
Max. continuous voltage, Uc (AC)	30 V	Max. continuous voltage, Uc (DC)	42 V
Surge current-carrying capacity D1	1 kA 10/350 μs	Surge current-carrying capacity C3	10 A 10/1000 μs
Pulse-reset capacity	≤ 20 ms	Signal transmission properties (-3 dB)	3.2 MHz
Lightning test current, limp (10/350 μs) Wire-PE	1 kA	Overload - failure mode	Modus 2
Protection level UP for C1 with 500V/250A (wire-wire)	116 V	Discharge current In (8/20µs) wire-PE	2.5 kA
Discharge current Imax (8/20µs) wire-PE10 kA		Protection level UP for C3 with 1kV/μs (wire-wire)	106 V
Protection level UP for D1 with 0.5kA (wire-wire)	194 V	Protection level UP for C3 with 1kV/μs (wire-PE)	55 V
Protection level UP for C2 with 10kV/5kA (wire-wire)	204 V	Surge current-carrying capacity C2	2.5 kA 8/20 µs 5 kV 1.2/50 µs
Protection level UP for C1 with 500V/250A (wire-PE)	60 V	Protection level UP for C2 with 10kV/5kA (wire-PE)	108 V

Further details of approvals

GOST certificate	GOST-Zertifikat -	
	PDF/7950_n1-n4.pdf	
	(application/pdf)	

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		

Electrical data

Voltage type	AC/DC	

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Catalogue status / Drawings







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27-17-15-01

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Technical data

General data			
Number of poles	1	Protection degree	IP20
Colour	black		
Ratings IECEx/ATEX/cUL			
cUL certificate	cUL Certificate - pdf/ VSSC.PDF (application/ pdf)		
Important note			
Product information		. The line is inoperable, but the	was short-circuited due to a very low measuring equipment is still protected
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

27-17-15-01

Tender specification sheets

ECLASS 14.0

Long specification	Surge protection in a one piece, 6.2 mm wide DIN rail module for two binary, potential-free signal circuits with 24 V UC. Each signal path can be opened using an isolator. Signal indication via a green LED. 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.	Short specification	Surge protection in a one piece, 6.2 mm wide DIN rail module for two binary, potential-free signal circuits. Each signal path can be opened using an isolator. Signal indication via a green LED. Version: 24V UC

ECLASS 15.0

Catalogue status / Drawings 4

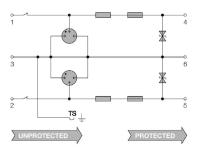


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Drawings



Similar to illustration

Circuit diagram



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Accessories

Accessories (end plates)



End plates (AP) for the VSSC product series in light blue and black

General ordering data

Type AP VSSC6
Order No. 1063110000
GTIN (EAN) 4032248947553

Qty. 50 ST

Version VSSC, End plate

Testadapter and testsockets









Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

20 ST

Type PS 2.3 RT
Order No. 0180400000
GTIN (EAN) 4008190060121

Version

Test adapter (terminal), 230 V, 20 mA

Blank

Qtv.



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

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Accessories

General ordering data

Type DEK 5/5 MC NE WS
Order No. 1609801044
GTIN (EAN) 4008190397111

4008190397111 1000 ST

801044 Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00

Weidmueller, white

SnapMark

Qty.



SnapMark - this tag carrier has been developed especifically for the l-series double-level terminal IDK 1.5N. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can hold four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

General ordering data

Type SNAPMARK I
Order No. 1805880000
GTIN (EAN) 4032248273614
Oty. 50 ST

Version

Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00

Weidmueller, white

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