

VPU PV I+II OM 1000

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, Surge protection I / II, Spare arrester
Order No.	2534300000
Type	VPU PV I+II OM 1000
GTIN (EAN)	4050118545906
Qty.	9 items

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E354261

Dimensions and weights

Depth	73.5 mm	Depth (inches)	2.8937 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	65 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Ambient temperature (operational), max. 85 °C	Rated Voltage UN	550 V
SCCR	In	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C
Certificate No. (cURus)	VPR (DC+/DC-)	2500 V
Voltage type	DC	

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection I / II, Spare arrester
Design	Installation housing; 1TE	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Operating altitude	≤ 4000 m		

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11, UL 1449	Lightning test current Iimp (10/350 μs)	6.25 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 3.8 kV	Short-circuit current ISCPv	11000 A
Total discharge current Itotal (8/20 μs)	50 kA	Discharge current In (8/20 μs)	20 kA
Requirements class	Type I/II	Operating height in the grounded PV system	≤ 2000 m
Total discharge current Itotal (10/350 μs)	12.5 kA	PV system voltage, max. Ucpv	1100 V

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Technical data

Rated data IEC / EN

Number of poles	1	Leakage current at U_n	30 μ A
Signalling contact	No	Voltage type	DC
Fuse protection	No	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Lightning test current I_{imp} (10/350 μ s)	6.25 kA
Energy coordination (≤ 10 m)	Type I, Type II, Type III	SPD type	T1, T2
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Type of connection	pluggable
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	35 mm ²
Wire connection cross section, finely stranded, max.	35 mm ²		

Electrical data

Voltage type	DC
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General data

Number of poles	1	Protection degree	IP20
Colour	orange		

Guarantee

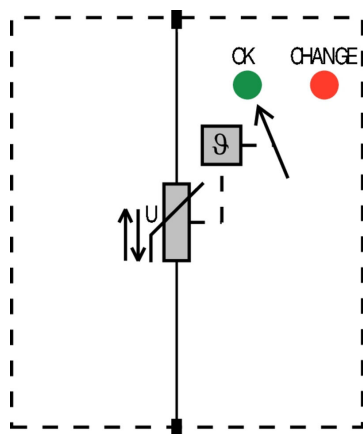
Time interval	5 years
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Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-14-03
ECLASS 15.0	27-17-14-03		

Drawings

Electric symbol



Circuit diagram

VPU PV I+II 0M 1000

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Accessories

Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PH1 X 80	Version
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 ST	

Slotted screwdriver

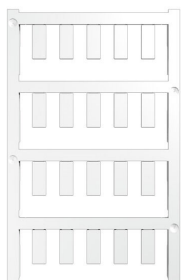


VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 ST	

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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.

VPU PV I+II 0M 1000**Weidmüller Interface GmbH & Co. KG**

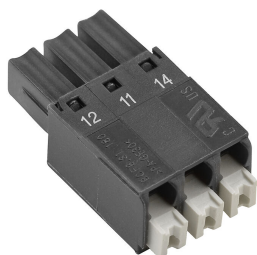
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www.weidmueller.com**Accessories****General ordering data**

Type	ESG 6/15 K MC NE WS	Version	
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive	
GTIN (EAN)	4032248478781		
Qty.	200 ST		

VPU Series

Extensive accessories round off the product range

General ordering data

Type	VPU LOCKING CLIP L	Version	
Order No.	2735070000		
GTIN (EAN)	4050118816402		
Qty.	10 ST		