

VPU PV I+II O 1000

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

Product image



General ordering data

Version	Surge voltage arrester, Low voltage, Accessories, Surge protection I / II, Spare arrester
Order No.	253060000
Type	VPU PV I+II O 1000
GTIN (EAN)	4050118540819
Qty.	9 pc(s).

VPU PV I+II 0 1000

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Technical data

Dimensions and weights

Depth	73.5 mm	Depth (inches)	2.894 inch
Height	45 mm	Height (inches)	1.772 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	89 g		

Temperatures

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

Rated data UL

Ambient temperature (operational), max. 85 °C		Rated Voltage U_N	550 V
SCCR	50 kA	I_n	20 kA
Category	SPD TYPE 1CA	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	E35426 10000	VPR (DC+/DC-)	2,500 V
Voltage type	DC		

General data

Number of poles	1	Protection degree	IP20
Colour	orange		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Photovoltaic technical data

Discharge current I_n (8/20 μ s)	20 kA	Lightning test current I_{imp} (10/350 μ s)	6.25 kA
Operating height in the grounded PV system	≤ 2000 m	PV system voltage, max. U_{cpv}	1,100 V
Protection level U_p (+/-, -/PE, +/-PE)	≤ 3.8 kV	Short-circuit current I_{SCPV}	11,000 A
Standards	EN 61643-31, EN 50539-11, UL 1449	Total discharge current I_{total} (8/20 μ s)	50 kA
Total discharge current I_{total} (10/350 μ s)	12.5 kA		

Rated data IEC / EN

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

Connection data

Type of connection	pluggable
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Electrical data

Voltage type	DC
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Creation date July 10, 2025 6:14:01 PM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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Technical data

Guarantee

Time interval 5 years

Classifications

ETIM 7.0	EC001457	ETIM 8.0	EC001457
ETIM 9.0	EC001457	ETIM 10.0	EC001457
ECLASS 12.0	27-17-14-03	ECLASS 13.0	27-17-14-03
ECLASS 14.0	27-17-14-03	ECLASS 15.0	27-17-14-03

Approvals

Approvals



Approvals MAMID https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/

ROHS Conform

UL File Number Search UL Website

Certificate No. (cURus) E3542610000

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Downloads

Approval/Certificate/Document of Conformity [CE VPU_PV](#)
[UK Konformitätserklärung / UK Declaration of Conformity](#)

Engineering Data [CAD data – STEP](#)User Documentation [Beipackzettel / Instruction sheet](#)Catalogues [Catalogues in PDF-format](#)

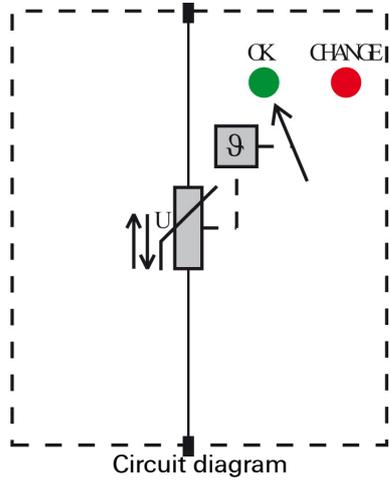
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Drawings

Electric symbol



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Accessories

VPU Series



Extensive accessories round off the product range

General ordering data

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

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.

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 pc(s).	

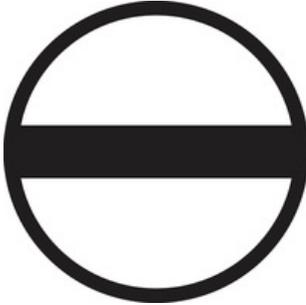
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Accessories

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 pc(s).	

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 pc(s).	