

VPU PV II O 1500

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

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage, Accessories, Spare arrester
Order No.	2530630000
Type	VPU PV II O 1500
GTIN (EAN)	4050118540840
Qty.	9 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E3542610000

Dimensions and weights

Depth	57.2 mm	Depth (inches)	2.252 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	9.22 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	750 V
SCCR	In	20 kA
Category	Ambient temperature (operational), min. -40 °C	
Certificate No. (cURus)	VPR (DC+/DC-)	4000 V
Voltage type		

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Spare arrester
Design	Installation housing; 1TE	UL 94 flammability rating	V-0
Colour	orange	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	<4,000 m, see operating instructions

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	Protection level Up (+/-, -/PE, +/-PE)	≤ 5.0 kV
Short-circuit current ISCPV	11000 A	Total discharge current I _{total} (8/20μs)	40 kA
Discharge current I _n (8/20 μs)	20 kA	Requirements class	Type II
Operating height in the grounded PV system	≤ 2000 m	Protection level Up (-/PE)	≤ 2.5 kV

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Protection level Up (+/-)	≤ 5,0 kV	Protection level Up (+/PE)	≤ 2.5 kV
PV system voltage, max. Ucpv	1500 V		

Rated data IEC / EN

Number of poles	1	Leakage current at Un	30 µA
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11, UL 1449	Requirements class, acc. to EN 61643-11	T2
SPD type	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.	1.5 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	25 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	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-14-02
ECLASS 15.0	27-17-14-02		

Drawings

Electric symbol



Circuit diagram

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 thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		