

VPU PV II 5 0 1000

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

www.weidmueller.com



General ordering data

Order No.	2857010000
Type	VPU PV II 5 0 1000
GTIN (EAN)	4064675537373
Qty.	9 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	44.4 mm	Depth (inches)	1.748 inch
Height	45 mm	Height (inches)	1.7716 inch
Width	18 mm	Width (inches)	0.7087 inch
Net weight	6.44 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	1100 V
SCCR	In	20 kA
Ambient temperature (operational), min. -40 °C	Voltage type	DC

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Spare arrester
Design	Installation housing; 1TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	grey	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	UL 1449, IEC 61643-31, EN 61643-31	Discharge current, max. (8/20 µs)	40 kA
Protection level Up (+/-, -/PE, +/-PE)	≤4,2 kV	Short-circuit current ISCPV	9000 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
PV system voltage, max. U _{cpv}	1100 V		

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Rated data IEC / EN

Number of poles	1	Signalling contact	No
Rated voltage (DC)	1000 V	Voltage type	DC
Response time / fallback time	≤ 25 ns	Standards	UL 1449, IEC 61643-31, EN 61643-31
Discharge current, max. (8/20 μs)	40 kA	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
Stripping length, rated connection	18 mm	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	Connection cross-section, stranded, min.	1.5 mm ²
Connection cross-section, stranded, max.	35 mm ²		

Electrical data

Voltage type	DC
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General data

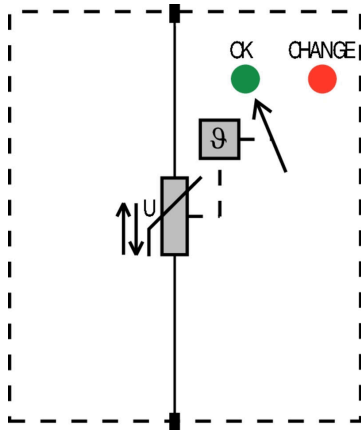
Number of poles	1	Protection degree	IP20
Colour	grey		

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		