

VPU PV II 5 R 1000**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Order No.	2857020000
Type	VPU PV II 5 R 1000
GTIN (EAN)	4064675537380
Qty.	1 pc(s).
Replacement parts	2857010000

VPU PV II 5 R 1000

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Technical data

Dimensions and weights

Depth	60 mm	Depth (inches)	2.362 inch
Height	105 mm	Height (inches)	4.134 inch
Width	90 mm	Width (inches)	3.543 inch
Mounting dimension - height	105 mm	Net weight	479 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	1,100 V
I_n	20 kA	Ambient temperature (operational), min. -40 °C	
Voltage type	DC		

Connection data, remote alert

Cross-section for connected wire, solid core, max.	1.5 mm ²	Cross-section for connected wire, solid core, min.	0.14 mm ²
Stripping length	8 mm		

General data

Number of poles	5	Protection degree	IP20
Colour	grey		

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	Discharge current, max. (8/20 μ s)	40 kA
Operating height in the grounded PV system	≤ 2000 m	Operating height in ungrounded PV system	≤ 2000 m
PV system voltage, max. U_{cpv}	1,100 V	Protection level U_p (+/-, -/PE, +/PE)	$\leq 4,2$ kV
Requirements class	Type II	Short-circuit current I_{SCPv}	11,000 A
Standards	IEC 61643-31, EN 61643-31	Total discharge current I_{total} (8/20 μ s)	40 kA

Rated data IEC / EN

Discharge current I_{max} (8/20 μ s) wire-PE	40 kA	Discharge current, max. (8/20 μ s)	40 kA
Integrated back-up fuse	No	Leakage current at U_n	30 μ A
Number of poles	5	Rated voltage (DC)	1000 V
Response time	≤ 25 ns	SPD type	T2
Signalling contact		Standards	IEC 61643-31, EN 61643-31
	250 V 1A 1CO		
Voltage type	DC		

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Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 mm ²
Clamping range, min.	1.5 mm ²	Clamping range, max.	35 mm ²
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	16 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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Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27-17-90-90
ECLASS 14.0	27-17-90-90	ECLASS 15.0	27-17-90-90

Environmental Product Compliance

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

Approvals

Approvals



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

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

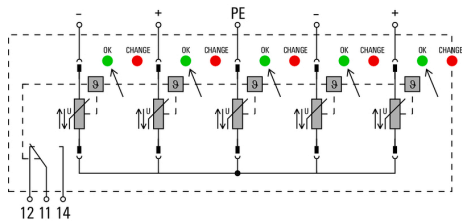
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Drawings

Electric symbol



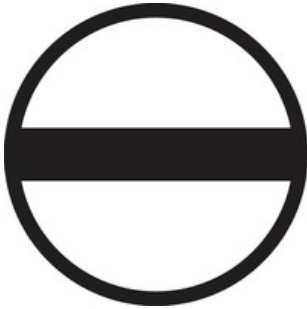
Circuit diagram

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www.weidmueller.com**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).	

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Replacement parts

Spare Arrester



General ordering data

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