

VPU PV II 5 1000



General ordering data

Order No.	2856500000
Type	VPU PV II 5 1000
GTIN (EAN)	4064675536437
Qty.	1 items

VPU PV II 5 1000

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	60 mm	Depth (inches)	2.3622 inch
Height	96 mm	Height (inches)	3.7795 inch
Width	90 mm	Width (inches)	3.5433 inch
Mounting dimension - height	96 mm	Net weight	467 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%

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection II
Design	Installation housing, 5 TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	grey	Protection degree	IP20
Mounting rail	TS 35	auxiliary contact	No

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
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Photovoltaic technical data

Standards	IEC 61643-31, EN 61643-31	Discharge current (8 / 20 µs), max.	40 kA
Protection level Up (+/-, -/PE, +/-PE)	≤4,2 kV	Operating height in ungrounded PV system	≤ 2000 m
Short-circuit current ISCPV	11000 A	Total discharge current (I _{total}) (8 / 20 µs)	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 (U _{cpv}), max.	1100 V

Rated data IEC / EN

Number of poles	5	Leakage current (nominal voltage)	30 µA
Signalling contact	No	Rated voltage (DC)	1000 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	IEC 61643-31, EN 61643-31	Discharge current (8 / 20 µs), max.	40 kA

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Requirements class, acc. to EN 61643-11	T2	Discharge current I_n (8/20 μ s) wire-PE	20 kA
Discharge current I_{max} (8/20 μ s) wire-PE	40 kA	SPD type	T2
Short-circuit current rating ISCCR	11 kA	Integrated back-up fuse	No

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.	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

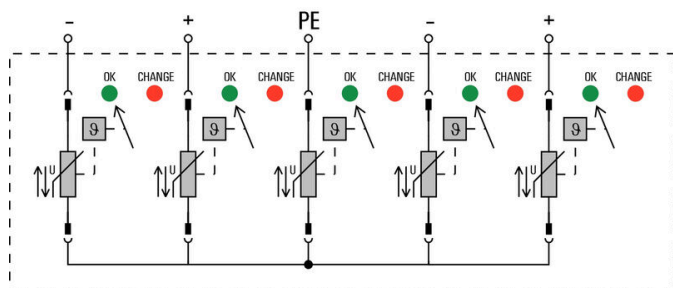
Number of poles	5	Protection degree	IP20
Colour	grey		

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