

VPU PV I+II 5 1500



General ordering data

Order No.	3012980000
Type	VPU PV I+II 5 1500
GTIN (EAN)	4099986922587
Qty.	1 items

VPU PV I+II 5 1500

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	86 mm	Depth (inches)	3.3858 inch
Height	96.5 mm	Height (inches)	3.7992 inch
Width	90 mm	Width (inches)	3.5433 inch
Net weight	760 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient 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 I / II
Design	Installation housing, 5 TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	orange, black	Suitable for	Photovoltaics
Protection degree	IP20 in installed state, IP20	Mounting rail	TS 35
Operating altitude	≤ 4000 m		

Insulation coordination acc. to EN 50178

Surge voltage category	I, III	Pollution severity	2
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Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11	Lightning test current Iimp (10/350 µs)	5 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 5,0 kV	Operating height in ungrounded PV system	≤ 4000 m
Short-circuit current ISCPv	11000 A	Total discharge current (Itotal) (8 / 20 µs)	50 kA
Discharge current In (8/20 µs)	20 kA	Requirements class	Type I/II
Operating height in the grounded PV system	≤ 2000 m	Total discharge current (Itotal) (10 / 350 µs)	10 kA
Protection level Up (+/-)	≤ 5,0 kV	PV system voltage (Ucpv), max.	1500 V

Rated data IEC / EN

Number of poles	5	Leakage current (nominal voltage)	30 µA
Signalling contact	No	Rated voltage (DC)	1500 V

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Voltage type	DC	Response time / fallback time	≤ 25 ns
Suitable for	Photovoltaics	Standards	EN 61643-31, EN 50539-11
Lightning test current limp (10/350 µs)	5 kA	Max. continuous voltage, U _c (DC)	1500 V
Energy coordination (≤10 m)	Type I, Type II, Type III	Discharge current I _{max} (8/20µs) wire-PE30	kA
SPD type	T2, T1	Short-circuit current rating ISCCR	50 kA
Integrated back-up fuse	No		

Connection data

Stripping length	18 mm	Wire connection method	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.	35 mm ²
Wire connection cross-section, finely stranded, max.	35 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 in installed state, IP20
Colour	orange, black		

Guarantee

Time interval	5 years
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Classifications

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

Drawings

