

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Order No.	2856490000
Type	VPU PV I+II 5 R 1000
GTIN (EAN)	4064675536413
Qty.	1 items

VPU PV I+II 5 R 1000

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	77.2 mm	Depth (inches)	3.0394 inch
Height	111 mm	Height (inches)	4.3701 inch
Width	90 mm	Width (inches)	3.5433 inch
Net weight	704 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%

Connection data, remote alert

Cross-section for connected wire, solid core (remote alert), min.	0.25 mm ²	Cross-section for connected wire, solid core (remote alert), max.	1.5 mm ²
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General data

Optical function display	green = OK; red = arrester is defective - replace	Version	Surge protection I / II, with remote contact
Design	Installation housing, 5 TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	orange, black	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	≤ 4000 m

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	Lightning test current limp (10/350 µs)	5 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 3.8 kV	Operating height in ungrounded PV system	≤ 4000 m
Short-circuit current ISCP	11000 A	Total discharge current (I _{total}) (8 / 20 µs)	50 kA
Discharge current I _n (8/20 µs)	20 kA	Requirements class	Type I/II
Operating height in the grounded PV system	≤ 2000 m	Total discharge current (I _{total}) (10 / 350 10 kA µs)	
PV system voltage (U _{cpv}), max.	1100 V		

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Rated data IEC / EN

Number of poles	5	Leakage current (nominal voltage)	30 µA
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	1000 V
Voltage type	DC	Response time / fallback time	≤ 25 ns
Standards	EN 61643-31, EN 50539-11	Lightning test current limp (10/350 µs)	5 kA
Energy coordination (≤10 m)	Type I, Type II, Type III	Discharge current I _{max} (8/20µs) wire-PE30 kA	
SPD type	T1, T2	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.	35 mm ²
Wire connection cross section, finely stranded, min.	1.5 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
Colour	orange, black		

Guarantee

Time interval	5 years
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Important note

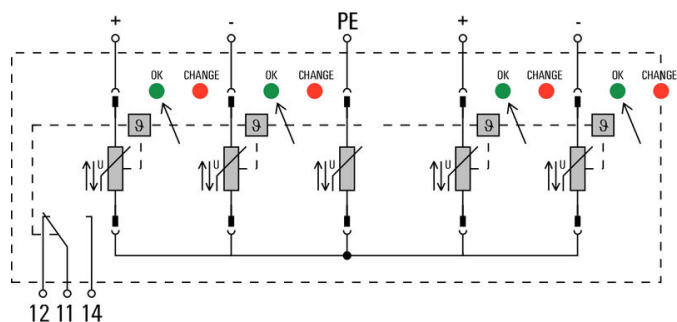
Product information	In case indication flag is not green on one or more plugs (ProTex T1-550PV-00M-P), that certain plug, including ground plug (ProTec T1-550PV-00-P) must be replaced at the same time.
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Classifications

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

Electric symbol



Circuit diagram