Data sheet

VPU PV I+II 5 1000

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

www.weidmueller.com



General ordering data

Order No.	2856440000
Type	VPU PV I+II 5 1000
GTIN (EAN)	4064675536352
Qty.	1 items

Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform

Dimensions and weights

Depth	77.2 mm	Depth (inches)	3.0394 inch
Height	96.5 mm	Height (inches)	3.7992 inch
Width	90 mm	Width (inches)	3.5433 inch
Net weight	697 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 I / II
Design	Installation housing, 5 TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	≤ 4000 m

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2

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 curent 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
PV system voltage (Ucpv), 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	EN 61643-31, EN 50539-11	Lightning test current limp (10/350 µs)	5 kA

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Technical data

Energy coordination (≤10 m)	Type I, Type II, Type III	Discharge current Imax (8/20µs) wire-PE	30 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 mm²
Clamping range, min.	1.5 mm²	Clamping range, max.	35 mm²
Wire cross-section, solid, min.	1.5 mm²	Wire cross-section, solid, max.	35 mm²
Wire connection cross section, finely stranded, min.	1.5 mm²	Wire connection cross-section, finely stranded, max.	35 mm²
Connection cross-section, stranded, min.	1.5 mm²	Connection cross-section, stranded, max.	35 mm²

Electrical data

Voltage type	DC

General data

Number of poles	5	Protection degree	IP20
Colour	black, orange		

Guarantee

Time interval	5 years

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.

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		

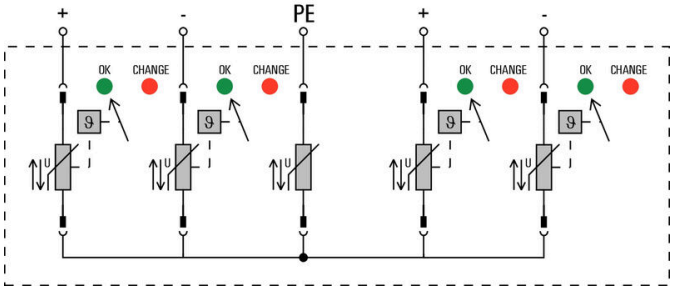
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Drawings

Electric symbol



Circuit diagram