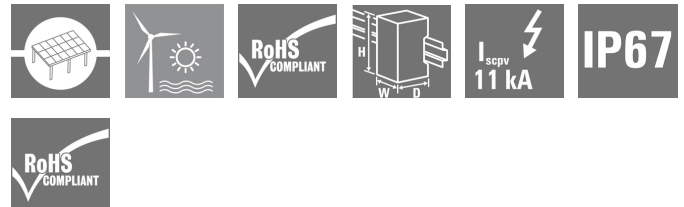


VPUM111SXXV100TXPX10

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

www.weidmueller.com



PV Protect is the solution for optimum protection of the inverter against overvoltages. The ready-to-connect boxes are available for different system voltages and can be supplied with various arrester types and MPP trackers. Depending on requirements, connection is made via cable glands or WM4C connectors with convenient and reliable PUSH IN connection technology.

General ordering data

Version	Surge protection, 1 MPPT, 1 Input / 1 Output per MPPT, Surge protection I / II, Cable gland, PUSH IN connection, 1000 V
Order No.	2755970000
Type	VPUM111SXXV100TXPX10
GTIN (EAN)	4064675003335
Qty.	1 pc(s).

Creation date May 19, 2022 12:02:40 PM CEST

Catalogue status 06.05.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	91 mm	Depth (inches)	3.583 inch
Height	145 mm	Height (inches)	5.709 inch
Width	168 mm	Width (inches)	6.614 inch
Net weight	701 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Enclosure

Connection type String	Internal terminal (with cable gland feed-through)	Enclosure attachment	Via the four holes under the cover screws
Switch disconnecter execution	no switch		

General data

Protection degree	IP67	Standards	EN 50539-11
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Inputs

Amount of Maximum Power Point Tracking	1 MPPT		
DC Input + & -	Wire connection	Type of connection	PUSH IN
Functional earth connector	Cable entry	Number of cable entries	1
	Wire connection	Type of connection	PUSH IN
Fuse type	Neither fuse cartridge nor holder		

Surge protection DC side

Conditions and requirements	EN 50539-11	Discharge current I_n (8/20 μ s)	20 kA
Discharge current, max. (8/20 μ s)	40 kA	Lightning test current I_{imp} (10/350 μ s)	6.25 kA
Maximum continuous operating voltage UCPV mode +/-, -/PE, +/-PE	1,100 V DC	Operating height in the grounded PV system	\leq 4000 m
Operating height in ungrounded PV system	\leq 4000 m	PV system voltage, max. U_{cpv}	1,100 V
Protection level U_p (+/-, -/PE, +/-PE)	\leq 4,2 kV	Requirements class	Type I/II
Short-circuit current I_{SCP}	11 kA	Standards	EN 50539-11
Surge protection DC side	1000 V type I + II	Total discharge current I_{total} (8/20 μ s)	50 kA
Total discharge current I_{total} (10/350 μ s)	12.5 kA		

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	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		

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Technical data

Tender specification sheets

Long specification	<p>Designation 2: VPU PV BOX CG I+II 3 1000 1M</p> <p>Over voltage protection box for inverters with 1 Mpp tracker, used to protect the DC side.</p> <p>Max. String voltage U_{oc}:1000 V MPPT1: 1 input, connection via cable gland (4-8mmØ) cable cross section: max. 16mm² Connection of the box in stitch without DC switch 1 surge protection type II Connection of functional earth via cable glands (8-12mmØ) cable cross-section: 16mm² Protection class: IP65 and IP67 Plastic enclosure Dimensions HxWxD:168x145x91 mm According to standard, EN 50539-11: 2013+A1:2014 IEC 61643-31: 2018</p>
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Important note

Product information	The SPD in the box cannot be replaced.
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
User Documentation	Manual PV Protect T1
Catalogues	Catalogues in PDF-format

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Drawings

