

## VPUM111SXFV200TXPX15

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

[www.weidmueller.com](http://www.weidmueller.com)



PV Protect is the solution for optimum protection of the inverter against overvoltages. It is very compact and only requires Y-cables to connect to the PV strings. So it is a perfect product to retrofit existing PV residential installations with overvoltage protection.

### General ordering data

Version	Surge protection, 1 MPP, Surge protection II, Cable gland, PUSH IN connection, 1500 V
Order No.	<a href="#">2755990000</a>
Type	VPUM111SXFV200TXPX15
GTIN (EAN)	4064675003359
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-03-31T00:00:00+02:00
Alternative product	<a href="#">PVI DC 1I 1O 1MPP SPD1 MC4 10</a>

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	91 mm	Depth (inches)	3.5827 inch
Height	145 mm	Height (inches)	5.7086 inch
Width	168 mm	Width (inches)	6.6142 inch
Net weight	694 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%

**Enclosure**

Enclosure attachment	Via the four holes under the cover screws	Connection type string	Internal terminal (with cable gland feed-through)
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**General data**

Standards	EN 50539-11	Protection degree	IP67
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**Inputs**

Amount of maximum power points (MPP)	1 MPP		
Functional earth connector	Cable entry	Number of cable entries	1
	Wire connection	Type of connection	PUSH IN
DC Input + & -	Wire connection	Type of connection	PUSH IN
	Cable entry	Number of cable entries	1
Fuse type	Neither fuse cartridge nor holder		
Number of string inputs per MPP	1		

**Surge protection DC side**

Standards	EN 50539-11	Discharge current, max. (8/20 µs)	40 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 4.8 kV	Conditions and requirements	EN 50539-11
Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current ISCPV	11 kA
Total discharge current Itotal (8/20µs)	50 kA	Discharge current In (8/20 µs)	15 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 4000 m
PV system voltage, max. Ucpv	1500 V		

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### Important note

Product information      The SPD in the box cannot be replaced.

### 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		

### Tender specification sheets

Long specification      Designation 2: VPU PV  
 BOX CG II 3 1500 1M  
 Over voltage protection  
 box for inverters with  
 1 Mpp tracker, used  
 to protect the DC side.  
 Max. String voltage  
 Uoc:1500 V MPPT1: 1  
 input, connection via  
 cable gland (4-8mmØ)  
 cable cross section: max.  
 16mm<sup>2</sup> 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:  
 16mm<sup>2</sup> Protection class:  
 IP65 and IP67 Plastic  
 enclosure Dimensions  
 HxWxD:168x145x91  
 mm According to  
 standard, EN 50539-11:  
 2013+A1:2014 IEC  
 61643-31: 2018

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Drawings

Connection diagram



Connection diagram



	PVN	1	M2	I6	S0	F3	V1	Q1	TX	PX	10	
<b>Series</b>												<b>Voltage</b>
PVN = PV Next												10 = 1kV
VPU = PV Protect												11 = 1,1kV
												15 = 1,5kV
<b>Level</b>												<b>Powersupply</b>
1 = DC trunk box (L1)												x = n/a
<b>Series</b>												<b>Monitoring</b>
1 = 1 MPPT supported												x = n/a
2 = 2 MPPT supported												<b>Output Type</b>
3 = 3 MPPT supported												0 = CG
4 = 4 MPPT supported												1 = WM4C
6 = 6 MPPT supported												2 = MC4-Evo 2
<b>Inputs</b>												<b>SPD</b>
1...12 inputs												2/0 = TYP II
												1 = TYP I+II
												X = No SPD
<b>Switch</b>												<b>Fuses</b>
x = n/a												x = n/a
0 = manual switch												3 = only fuse holders
1 = remote switch												