

## VPUM2I2SXFV200TXPX10

**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, 2 MPP's, Surge protection II, Cable gland, PUSH IN connection, 1000 V
Order No.	<a href="#">2755960000</a>
Type	VPUM2I2SXFV200TXPX10
GTIN (EAN)	4064675003311
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 2MPP 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	890 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)	2 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	2
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)	≤4,2 kV	Conditions and requirements	EN 50539-11
Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current ISCP	11 kA
Total discharge current I <sub>total</sub> (8/20µs)	50 kA	Discharge current I <sub>n</sub> (8/20 µs)	20 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 4000 m
PV system voltage, max. U <sub>cpv</sub>	1100 V	Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/-PE	1100 V

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**Important note**

Product information      The SPD in the box cannot be replaced.

**Classifications**

ETIM 8.0	EC000941	ETIM 9.0	EC000941
ETIM 10.0	EC000941	ECLASS 14.0	27-17-14-02
ECLASS 15.0	27-17-14-02		

**Tender specification sheets**

Long specification      Designation 2: VPU PV  
 BOX CG II 5 1000 2M  
 Over voltage protection  
 box for inverters with  
 2Mpp tracker, used to  
 protect the DC side.  
 Max. String voltage Uoc:  
 1000 V MPPT1: 1 input,  
 connection via cable gland  
 (4-8mmØ) cable cross  
 section: max. 16mm<sup>2</sup>  
 MPPT 2 is identical to  
 MPPT 1 Connection of the  
 box in stitch without DC  
 switch 2 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**



	<b>PVN 1 M2 I6 S0 F3 V1 Q1 TX PX 10</b>	
<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
<b>Switch</b>		1 = TYP I+II
x = n/a		X = No SPD
0 = manual switch		<b>Fuses</b>
1 = remote switch		x = n/a
		3 = only fuse holders