

**VPUM2I2SXFV201TXPX10****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, 2 MPP's, Surge protection II, WM4C, 1000 V
Order No.	<a href="#">2764130000</a>
Type	VPUM2I2SXFV201TXPX10
GTIN (EAN)	4064675016106
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	91 mm	Depth (inches)	3.583 inch
Height	160 mm	Height (inches)	6.299 inch
Width	168 mm	Width (inches)	6.614 inch
Net weight	860 g		

## Temperatures

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

## Approvals and norms

Approvals	EN 50539-11
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## Enclosure

Connection type string	Plug WM4C	Enclosure attachment	Via the four holes under the cover screws
Switch disconnector execution	no switch		

## General data

Protection degree	IP67
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## Inputs

Amount of maximum power points	2 MPP		
DC Input + & -	Wire connection	Type of connection	WM4 C field connector
	Cable entry	Number of cable entries	2
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 $\mu$ s)	20 kA
Discharge current, max. (8/20 $\mu$ s)	40 kA	Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/-PE	1,100 V
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 II	Short-circuit current $I_{scpv}$	11 kA
Total discharge current $I_{total}$ (8/20 $\mu$ s)	50 kA		

## Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	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
ECLASS 13.0	27-17-90-90		

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## Technical data

### Tender specification sheets

#### Long specification

Designation 2: VPU PV  
BOX WM4 II 5 1000 2M  
Over voltage protection  
box for inverters with  
2Mpp tracker, used to pro-  
tect the DC side. Max.  
String voltage Uoc: 1000  
V MPPT1: 1 input, con-  
nection via WM4 C plug-  
in connector, compati-  
ble with cable type TÜV  
2 Pfg 1169/08.07 / EN  
50618:2069 MPPT 2  
is identical to MPPT 1  
Connection of the box in  
stitch without DC switch  
2 surge protection type II  
Connection of function-  
al earth via cable glands  
(8-12mmØ) cable cross-  
section: 16mm<sup>2</sup> Protection  
class: IP65 and IP67 Plas-  
tic enclosure Dimensions  
HxWxD: 168x160x91  
mm According to stan-  
dard, EN 50539-11:  
2013+A1:2014 IEC  
61643-31: 2018

### Important note

#### Product information

The SPD in the box cannot be replaced.

### Approvals

#### Approvals



#### ROHS

Conform

### Downloads

#### Approval/Certificate/Document of Con- formity

[PV Protect EU Declaration of Conformity](#)

#### User Documentation

[Manual PV Protect T2](#)

#### Catalogues

[Catalogues in PDF-format](#)

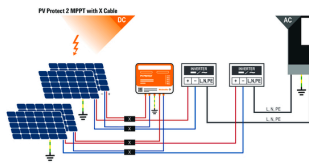
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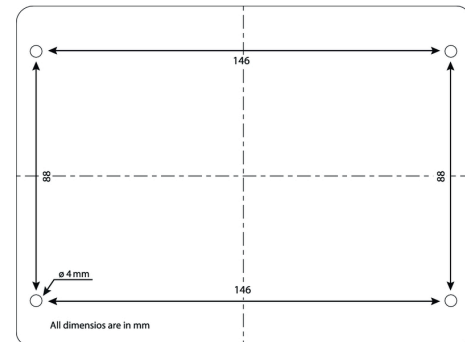
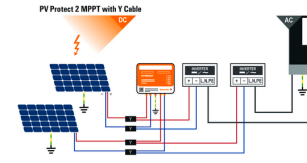
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## Drawings

## Connection diagram



## Connection diagram



PVN 1 M2 I6 S0 F3 V1 Q1 TX PX 10									
<b>Series</b>		<b>Voltage</b>		<b>Power supply</b>		<b>Monitoring</b>		<b>Output Type</b>	
PVN = PV Next		10 = 1kV		x = n/a		x = n/a		0 = DG	
VPV = PV Protect		11 = 1.1kV						1 = VMMAC	
		15 = 1.5kV						2 = MCA-5m 2	
<b>Level</b>		<b>Inputs</b>		<b>SPD</b>		<b>Fuses</b>			
1 = DC trunk box (L1)		1...12 inputs		0 = TYP II		x = n/a			
<b>Series</b>				1 = TYP I+II		3 = only fuse holders			
1 = 1 MPPT supported				X = No SPD					
2 = 2 MPPT supported									
3 = 3 MPPT supported									
4 = 4 MPPT supported									
6 = 6 MPPT supported									
<b>Switch</b>									
x = n/a									
0 = manual switch									
1 = remote switch									