

VPUM2I2SXFV201TXPX15**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, 1500 V
Order No.	2764180000
Type	VPUM2I2SXFV201TXPX15
GTIN (EAN)	4064675016144
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	886 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	WM4C plug-in 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 μ s)	15 kA
Discharge current, max. (8/20 μ s)	40 kA	Operating height in the grounded PV system	≤ 4000 m
Operating height in ungrounded PV system	≤ 4000 m	PV system voltage, max. U_{cpv}	1,500 V
Protection level U_p (+/-, -/PE, +/-PE)	≤ 4.8 kV	Requirements class	Type II
Short-circuit current I_{SCP}	11 kA	Total discharge current I_{total} (8/20 μ 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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www.weidmueller.com**Technical data****Tender specification sheets**

Long specification

Designation 2: VPU PV
BOX WM4 II 5 1500 2M
Over voltage protection
box for inverters with
2Mpp tracker, used to pro-
tect the DC side. Max.
String voltage Uoc: 1500
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: 16mm² 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

DownloadsApproval/Certificate/Document of Con-
formity[PV Protect EU Declaration of Conformity](#)

User Documentation

[Manual PV Protect T2](#)

Catalogues

[Catalogues in PDF-format](#)

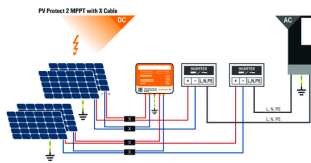
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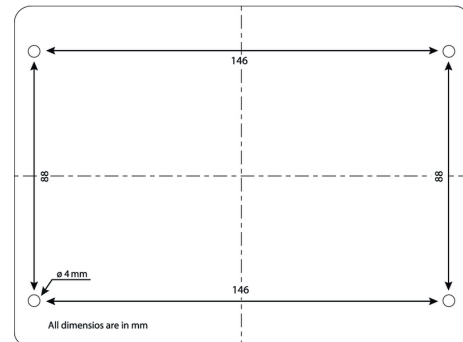
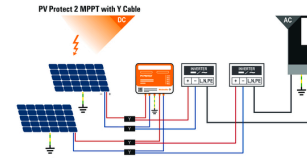
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Drawings

Connection diagram



Connection diagram



PVN 1 M2 I6 S0 F3 V1 Q1 TX PX 10											
Series			Voltage			Powersupply			Monitoring		
PVN = PV Next			10 = 1kV			x = n/a			x = n/a		
VPV = PV Protect			11 = 1.1kV								
			15 = 1.5kV								
Level			Output Type			SPD			Fuses		
1 = DC trunk box (L1)			0 = GG			0 = TYP II			x = n/a		
Series			1 = VMAC			1 = TYP I-II			3 = only fuse holders		
1 = 1 MPPT supported			2 = MCA 5x2			X = No SPD					
2 = 2 MPPT supported											
3 = 3 MPPT supported											
4 = 4 MPPT supported											
6 = 6 MPPT supported											
Inputs											
1...12 inputs											
Switch											
x = n/a											
0 = manual switch											
1 = remote switch											