

VPUM111SXFV201TXPX15

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 Germany

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, WM4C, 1500 V
Order No.	2764160000
Type	VPUM111SXFV201TXPX15
GTIN (EAN)	4064675016137
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	PVI DC 1I 1O 1MPP SPD1 MC4 10

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	91 mm	Depth (inches)	3.5827 inch
Height	160 mm	Height (inches)	6.2992 inch
Width	168 mm	Width (inches)	6.6142 inch
Net weight	705 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%

Approvals and norms

Approvals EN 50539-11

Enclosure

Enclosure attachment	Via the four holes under the cover screws	Connection type string	Plug WM4C
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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	WM4C plug-in connector
	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

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Operating height in ungrounded PV system	≤ 4000 m	Short-circuit current ISCPV	11 kA
Total discharge current I _{total} (8/20µs)	50 kA	Discharge current I _n (8/20 µs)	15 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 4000 m
PV system voltage, max. U _{cpv}	1500 V		

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 WM4 II 3 1500 1M
 Over voltage protection
 box for inverters with
 1 Mpp tracker, used
 to protect the DC side.
 Max. String voltage
 U_{oc}:1500 V MPPT1: 1
 input, connection via
 WM4 C plug-in connector,
 compatible with cable type
 TÜV 2 Pfg 1 169/08.07 /
 EN 50618:2069
 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:168x160x91
 mm According to
 standard, EN 50539-11:
 2013+A1:2014 IEC
 61643-31: 2018

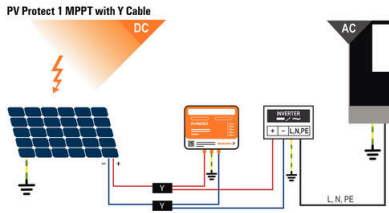
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Drawings

Connection diagram



Connection diagram



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