

## VPUM2I2SXFV200TXPX15

**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, 1500 V
Order No.	<a href="#">2756000000</a>
Type	VPUM2I2SXFV200TXPX15
GTIN (EAN)	4064675003366
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	869 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)	≤ 4.8 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)	15 kA
Requirements class	Type II	Operating height in the grounded PV system	≤ 4000 m
PV system voltage, max. U <sub>cpv</sub>	1500 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 1500 2M  
 Over voltage protection  
 box for inverters with  
 2Mpp 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>  
 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

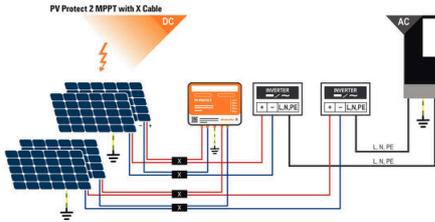
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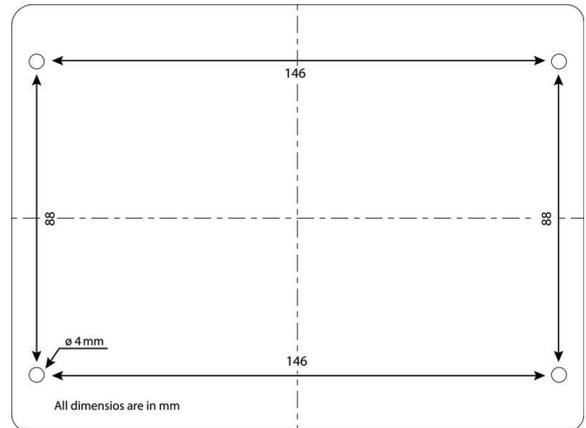
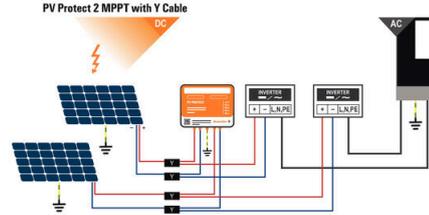
**Drawings**

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**Connection diagram**



**Connection diagram**



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

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**Accessories**

**Crosshead screwdriver Phillips**



Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

**General ordering data**

Type	SDK PH2	Version	
Order No.	<a href="#">9008490000</a>	Screwdriver, Screwdriver	
GTIN (EAN)	4032248056484		
Qty.	1 ST		

**... for photovoltaic plug-in connectors**



After stripping the insulation, a suitable contact or wire end ferrule can be crimped onto the end of the cable. Crimping forms a secure connection between conductor and contact and has largely replaced soldering. Crimping denotes the creation of a homogeneous, permanent connection between conductor and connecting element. The connection can be made only with high-quality precision tools. The result is a secure and reliable connection both in mechanical and electrical terms. Weidmüller offers a wide range of mechanical crimping tools. Integral ratchets with release mechanisms guarantee optimum crimping. Crimped connections made with Weidmüller tools comply with international standards and regulations.

**General ordering data**

Type	CTF PV WM4	Version	
Order No.	<a href="#">1222870000</a>	Photovoltaics, Crimping tool for photovoltaic contacts, Mechanical,	
GTIN (EAN)	4050118006254	without interchangeable inserts	
Qty.	1 ST		

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## Accessories

### Tools



- For flexible and solid conductors with special insulating materials
- High-quality stripping for industrial applications (complies with aircraft industry requirements)
- Specially shaped blades enable stripping of special types of insulation and conductor configurations
- Stripping length adjustable via end stop
- Very versatile thanks to interchangeable stripping units
- Stripping results reproduced accurately over and over again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its sturdy design
- Integrated cutting function

### General ordering data

Type	MULTI-STRIPAX PV	Version	
Order No.	<a href="#">1190490000</a>	Photovoltaics, Plug-in connector	
GTIN (EAN)	4032248973262		
Qty.	1 ST		

### Y-Connector Cables



The Y cable is used for the parallel connection of several strings in a PV system, e.g. for splitting a line in front of an inverter.

The cables are available in different connection variants.

### General ordering data

Type	PVHYW-XXPXX06W+15	Version	
Order No.	<a href="#">2814220000</a>	Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 1x Partly stripped cable end, 1x WM4 C Female, 6mm <sup>2</sup> , 1500 V	
GTIN (EAN)	4064675298908		
Qty.	1 ST		

### X-Connector Cables



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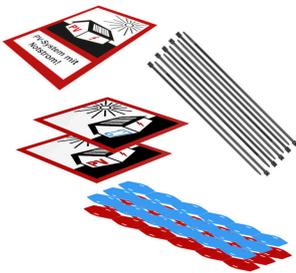
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## Accessories

### General ordering data

Type	PVHXW-W-PXXX06W+15	Version	
Order No.	<a href="#">2814280000</a>	Photovoltaics, X-Connector Cable, 2x WM4 C Male, 1x Partly stripped	
GTIN (EAN)	4064675298960	cable end, 1x WM4 C Female, 6mm <sup>2</sup> , 1500 V	
Qty.	1 ST		
Type	PVHXW+W+PXXX06M-15	Version	
Order No.	<a href="#">2814290000</a>	Photovoltaics, X-Connector Cable, 2x WM4 C Female, 1x Partly	
GTIN (EAN)	4064675298977	stripped cable end, 1x WM4 C Male, 6mm <sup>2</sup> , 1500 V	
Qty.	1 ST		

### PV marking sets



### General ordering data

Type	PV MARKER 1-3 MPP	Version	
Order No.	<a href="#">8000149520</a>	Photovoltaics, Device markers, Accessories, Conductor and cable	
GTIN (EAN)	4099987229197	markers, Cable ties, Marking set, Warning label, Cable marker, Self-	
Qty.	1 ST	adhesive	

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## Counterpart

### X-Connector Cables



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### General ordering data

Type	PVHXW+W+PXXX06M-15	Version	
Order No.	<a href="#">2814290000</a>	Photovoltaics, X-Connector Cable, 2x WM4 C Female, 1x Partly	
GTIN (EAN)	4064675298977	stripped cable end, 1x WM4 C Male, 6mm <sup>2</sup> , 1500 V	
Qty.	1 ST		
Type	PVHXW-W-PXXX06W+ 15	Version	
Order No.	<a href="#">2814280000</a>	Photovoltaics, X-Connector Cable, 2x WM4 C Male, 1x Partly stripped	
GTIN (EAN)	4064675298960	cable end, 1x WM4 C Female, 6mm <sup>2</sup> , 1500 V	
Qty.	1 ST		

### Y-Connector Cables



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The cables are available in different connection variants.

### General ordering data

Type	PVHYW-XXPXXX06W+ 15	Version	
Order No.	<a href="#">2814220000</a>	Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 1x Partly stripped	
GTIN (EAN)	4064675298908	cable end, 1x WM4 C Female, 6mm <sup>2</sup> , 1500 V	
Qty.	1 ST		