

PV 216S0F0C15V001TXPX15PFWW

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Ready-to-connect generator combiner boxes

The perfect solution for every customer's needs

Fitted between the solar modules and the inverter, the generator combiner boxes bring together the electricity that has been generated. Weidmüller has developed many standard configurations of generator combiner boxes based upon recurring customer requirements. These provide an optimal connection system, and also protection and monitoring systems.

The product range includes solutions for use in roof-mounted systems and large solar farms.

Depending on the version, the boxes can contain terminal blocks, surge protection, fuses and load circuit breakers and even systems that permanently monitor the performance of the strings.

General ordering data

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, Switch disconnecter, Portrait, Floating Combiner Box
Order No.	8000057078
Type	PV 216S0F0C15V001TXPX15PFWW
GTIN (EAN)	8430243418270
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	360 mm	Depth (inches)	14.173 inch
Height	835 mm	Height (inches)	32.874 inch
Width	635 mm	Width (inches)	25 inch
Net weight	31,892.248 g		

Temperatures

Ambient temperature	-20°C to +50°C	Operating temperature	-20°C to +50°C
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DC electrical properties

Earthing	Directly at the VPU	Rated voltage	1,500 V
Surge protection DC side	1500 V type II without remote contact	Switching capacity	400 A (DC21B 1500 V)

DC inputs

Cartridge fuse	10 x 85 mm		
Connection DC input cable (+)	WM4C plug-in connector		
Connection DC input cable (-)	WM4C plug-in connector		
Connection type, DC input cable	Cable gland		
DC Input + & -	Wire connection	Type of connection	WM4C plug-in connector
	Cable entry	Number of cable entries	32
Functional earth connector	Cable entry	Number of cable entries	1
		Cable diameter, min.	6 mm
		Cable diameter, max.	12 mm
	Wire connection	Type of connection	M20 Cable gland
Fuse	Empty fuse holder		
Fuse	15 A, 16 A, 20 A, 25 A, 30 A, 32 A		
Fuse type	Empty fuse holder		
Fuse-link standard	gPV (EN 60269-6)		
Fused poles of string	+/-		
Number of DC inputs	16		
Position of the fuses	positive and negative inputs		

DC outputs

Connection type, DC output cable	Screw terminal connectors		
DC Output + & -	Wire connection	Type of connection	M40 Cable gland
		Wire cross-section, min.	150 mm ²
		Wire cross-section, max.	300 mm ²
DC output cable connection	M12 bolt and nut connection		
Load circuit breaker with auxiliary contact	No		
Number of DC outputs	2		

DC string monitoring

Monitoring function	Non monitored
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Technical data

Housing

Protection degree IP65

Norms and standards

Standards EN 61439-2:2011, IEC 61439-2 ed 3.0

Guarantee

Time interval 5 years

Electrical characteristics

Rated DC voltage 1,500 V Switching disconnecter capacity IEC 60947-3

Enclosure

Connection type string	Internal terminal (with cable gland feed-through)	Cover	with cover
Impact resistance	IK10 in accordance with IEC 62262	Insulating material	Polyester glass-fibre reinforced, Polycarbonate
Switch disconnecter execution	switch inside enclosure		

General data

Installation location	Protected outdoor area (Land and Sea)	Protection degree	IP65
Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0		

Surge protection DC side

Short-circuit current I_{SCP}	9.4 A	Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0
Surge protection DC side	1500 V type II without remote contact		

Classifications

ETIM 6.0	EC002928	ETIM 7.0	EC002928
ETIM 8.0	EC003857	ETIM 9.0	EC003857
ECLASS 9.0	22-57-92-03	ECLASS 9.1	22-57-02-90
ECLASS 10.0	22-57-02-90	ECLASS 11.0	22-57-02-92
ECLASS 12.0	22-57-02-92	ECLASS 13.0	22-57-02-92

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

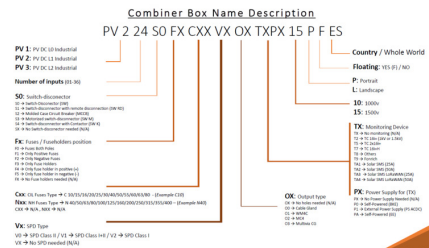
Downloads

Engineering Data	Thermal report
Technical Documentation	Electrical drawing Mechanical drawing
User Documentation	User Manual PV Floating DC Combiner Boxes
Catalogues	Catalogues in PDF-format

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Drawings

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www.weidmueller.com**Accessories****Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	9008410000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056378	
Qty.	1 pc(s).	

Spare Arrester**General ordering data**

Type	VPU II O PV 1500V DC	Version
Order No.	1351480000	Surge voltage arrester, Low voltage, Accessories
GTIN (EAN)	4050118158632	
Qty.	1 pc(s).	

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Accessories

Cutting tools



Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Type	KT 14	Version
Order No.	1157820000	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4032248945344	
Qty.	1 pc(s).	

PV-Stick field connectors



Faster is better. This also applies to the cabling of solar systems. Our handy connectors stay firmly in your grip even in frosty temperatures and can be installed very quickly and easily without a crimping tool.

You don't need crimp contacts and crimping tools and you avoid assembly errors. This saves up to 50% installation time – without affecting quality. The new photovoltaic connectors are TÜV-approved and comply with IEC 62852.

Our "SNAP IN" technology enables safe connections with minimal effort – insert, turn: current!

- 1.500 V DC (DE) / 1,500 V DC (EN)
- SNAP IN technology
- Standard-compliant quality in accordance with IEC 62852
- Ergonomic, prize-winning design
- Fastest PV connector currently available
- Reliable latching

General ordering data

Type	PV-STICK- VPE50	Version
Order No.	1303500000	Photovoltaics, Plug-in connector
GTIN (EAN)	4050118102536	
Qty.	50 pc(s).	
Type	PV-STICK+ VPE200	Version
Order No.	1303470000	Photovoltaics, Plug-in connector
GTIN (EAN)	4050118102543	
Qty.	200 pc(s).	
Type	PV-STICK+ VPE50	Version
Order No.	1303460000	Photovoltaics, Plug-in connector
GTIN (EAN)	4050118102383	
Qty.	50 pc(s).	

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Accessories

Type	PV-STICK- VPE200	Version
Order No.	1303510000	Photovoltaics, Plug-in connector
GTIN (EAN)	4050118102390	
Qty.	200 pc(s).	

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.	1190490000	Photovoltaics, Plug-in connector
GTIN (EAN)	4032248973262	
Qty.	1 pc(s).	

Accessories



The dust protection cap "Dustcap VSSO" protects the Weidmüller and type 4 solar connectors against dust and dirt.

The "SafetyClip" protects the Weidmüller solar connectors against unintentional opening and can only be released using the special multi-tool.

General ordering data

Type	VSSO WM4 C	Version
Order No.	1254870000	Photovoltaics, Flat design
GTIN (EAN)	4050118047479	
Qty.	100 pc(s).	