

PV 216S0F0C15V003TXPX15PFWW

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.	8000057082
Type	PV 216S0F0C15V003TXPX15PFWW
GTIN (EAN)	8430243418300
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	31,864.977 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 (+)	Screw connection		
Connection DC input cable (-)	Screw connection		
Connection type, DC input cable	Cable gland		
DC Input + & -	Cable entry	Number of cable entries	32
		Cable diameter, min.	6 mm
		Cable diameter, max.	8 mm
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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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

