

PV 224S0F3CXXV000TXPX15PWW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Standard portfolio for combiner boxes.****Protect and monitor strings in a solar park.**

Weidmüller has developed a full portfolio of standard PV DC combiner boxes for solar parks. These products intend to cover the most common used solutions for such purposes in an efficient and competitive manner. From 6 up to 32 inputs our Generation X offers a full range of products for monitored and non-monitored combiner boxes allowing our customer to benefit from Weidmüller's experience and commitment to quality. Gen X

General ordering data

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, for wall mounting, Switch disconnect, Portrait, Central Inverter
Order No.	8000124311
Type	PV 224S0F3CXXV000TXPX15PWW
GTIN (EAN)	4099986895805
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	300 mm	Depth (inches)	11.811 inch
Height	1,056 mm	Height (inches)	41.575 inch
Width	852 mm	Width (inches)	33.543 inch
Net weight	48,000 g		

Temperatures

Ambient temperature	-20°C to +45 °C	Operating temperature	-20°C to +45 °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 with 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 + & -	Wire connection	Type of connection	M16 Cable gland
	Cable entry	Number of cable entries	48
		Cable diameter, min.	5 mm
		Cable diameter, max.	10 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	24		
Position of the fuses	positive and negative inputs		

DC outputs

DC Output + & -	Wire connection	Type of connection	M40 Cable gland
		Wire cross-section, min.	22 mm ²
		Wire cross-section, max.	32 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	Type of mounting	Wall mounting
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Norms and standards

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

Time interval	5 years
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Electrical characteristics

Rated DC voltage	1,500 V
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Enclosure

Connection type string	Internal terminal (with cable gland feed-through)	Enclosure attachment	Fixing lugs
Impact resistance	IK10 in accordance with IEC 62262	Insulating material	Polyester glass-fibre reinforced, Polycarbonate
Switch disconnecter execution	switch inside enclosure	Type of mounting	Wall mounting

General data

Installation location	Protected outdoor area (>1 km from sea)	Protection degree	IP65
Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0		

Surge protection DC side

Short-circuit current I_{SCP}	17.5 A	Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0
Surge protection DC side	1500 V type II with 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

Approvals

Approvals



ROHS	Conform
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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[EU Declaration of Conformity Combiner Boxes non monitored](#)

Engineering Data

[Electrical Drawing](#)

[Thermal Report](#)

Technical Documentation

[Mechanical Drawing](#)

User Documentation

[User Manual PV DC Combiner Boxes](#)

Catalogues

[Catalogues in PDF-format](#)

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Drawings



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