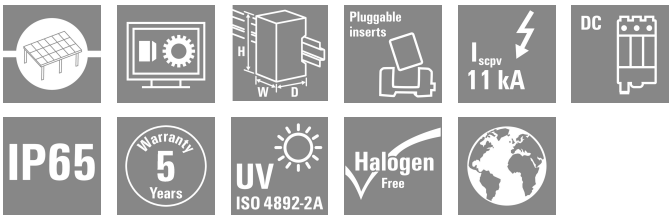
Data sheet

PV 220S0F4CXXV0O0TXPX15PWW

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 Weidmueller'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 disconnector, Portrait, Central Inverter
Order No.	8000078883
Type	PV 220S0F4CXXV0O0TXPX15PWW
GTIN (EAN)	4064675468929
Qty.	1 items

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Technical data

Approvals

Approvals	CE
ROHS	Conform

Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	747 mm	Height (inches)	29.4094 inch
Width	536 mm	Width (inches)	21.1023 inch
Net weight	30000 g		

Temperatures

Ambient temperature	-20 °C...45 °C	Operating temperature	-20ºC to +45 ºC

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

DC electrical properties

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

DC inputs

Cartridge fuse	10 x 85 mm		
Fuse protection	15 A, 16 A, 20 A, 25 A, 30 A, 32 A		
Number of DC inputs	20		
Fused poles of string	+/-		
Connection type, DC input cable	Cable gland		
Connection DC input cable (-)	M8 bolt and nut connection		
Fuse-link standard	gPV (EN 60269-6)		
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
Number of inputs	20		
Number of conduit inlets	43		
DC Input + & -	Wire connection	Type of connection	M16 Cable gland
	Cable entry	Number of cable entries	40
		Cable diameter, min.	5 mm
		Cable diameter, max.	10 mm
Connection DC input cable (+)	Screw connection		
Fuse type	Empty fuse holder		
Position of the fuses	only in positive inputs		
Type of fuse	Empty fuse holder		

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DC outputs

DC output cable connection	M10 bolt and nut connection		
DC Output + & -	Wire connection	Type of connection	M40 Cable gland
		Wire cross-section, min.	150 mm²
		Wire cross-section, max.	300 mm²
Number of DC outputs	2		
Load circuit breaker with auxiliary contact	No		

DC string monitoring

Monitoring function	Non monitored

Housing

Type of mounting	Wall mounting	Protection degree	IP65

Norms and standards

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

Guarantee

Time interval	5 years

Classifications

ETIM 8.0	EC003857	ETIM 9.0	EC003857
ETIM 10.0	EC003857	ECLASS 14.0	22-57-02-92
ECLASS 15.0	22-57-02-92		

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Drawings

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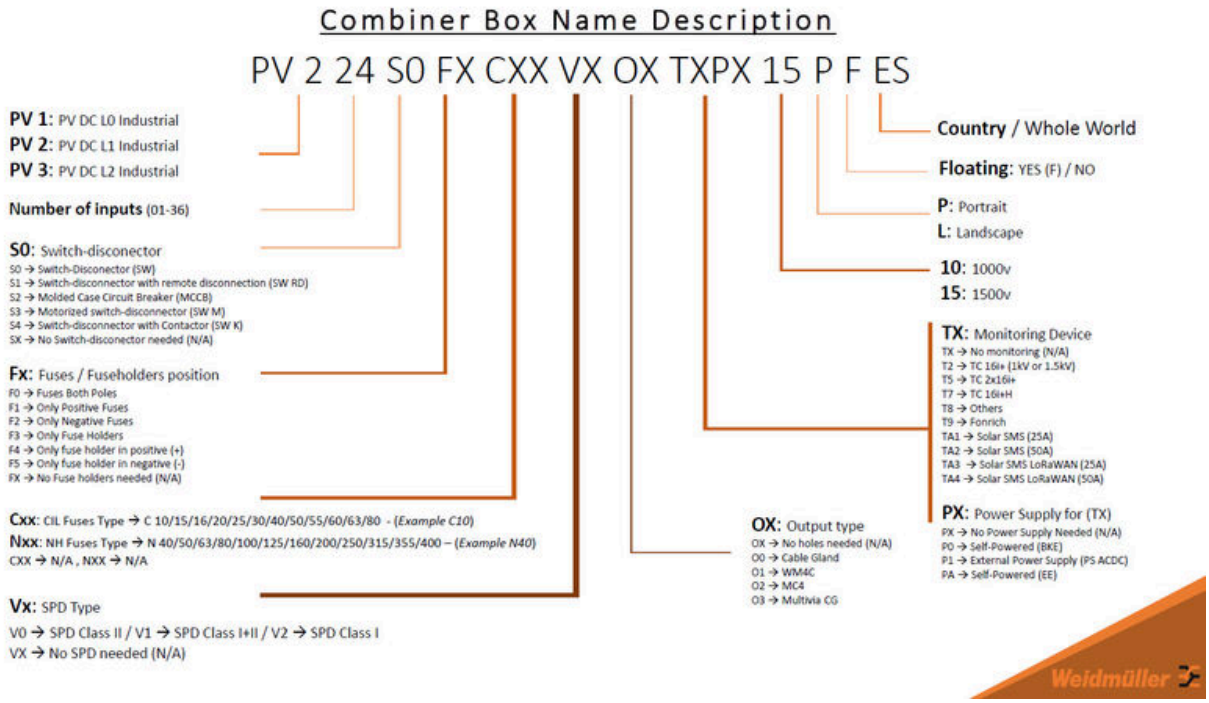
Drawings