

**PV 212S0F3CXXV000TAPA15PWW**

**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 disconnecter, Portrait, Current monitoring, Voltage monitoring, Temperature monitoring, Central Inverter
Order No.	<a href="#">8000101214</a>
Type	PV 212S0F3CXXV000TAPA15PWW
GTIN (EAN)	4099986025325
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	350 mm	Depth (inches)	13.7795 inch
Height	1056 mm	Height (inches)	41.5747 inch
Width	852 mm	Width (inches)	33.5432 inch
Net weight	38247.46 g		

**Temperatures**

Ambient temperature	-20 °C...45 °C	Operating temperature	-20°C to +45 °C
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**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	1d28ada4-1634-4382-8635-45f6353a6574

**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

**DC inputs**

Cartridge fuse	22 x 58 mm		
Fuse protection	30 A, 35 A, 40 A, 50 A, 60 A, 70 A, 75 A		
Number of DC inputs	12		
Fused poles of string	+/-		
Connection type, DC input cable	Cable gland		
Connection DC input cable (-)	Screw 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
DC Input + & -	Wire connection	Type of connection	M20 Cable gland
	Wire connection	Type of connection	M16 Cable gland
	Cable entry	Number of cable entries	24
		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	positive and negative inputs		
Type of fuse	Empty fuse holder		

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**DC outputs**

DC output cable connection	M12 bolt and nut connection		
DC Output + & -	Wire connection	Type of connection	M40 Cable gland
		Wire cross-section, min.	150 mm <sup>2</sup>
		Wire cross-section, max.	400 mm <sup>2</sup>
Number of DC outputs	2		
Load circuit breaker with auxiliary contact	No		

**DC string monitoring**

Supply	Self-powered	Monitoring function	Solar SMS, Output voltage, current, temperature
Voltage monitoring	Solar SMS	Temperature monitoring	Solar SMS
Current monitoring	Solar SMS		

**Housing**

Type of mounting	Wall mounting	Protection degree	IP65
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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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**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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Combiner Box Name Description

PV 2 24 S0 FX CXX VX OX TXPX 15 P F ES

**PV 1:** PV DC L0 Industrial  
**PV 2:** PV DC L1 Industrial  
**PV 3:** PV DC L2 Industrial

**Number of inputs (01-36)**

**S0:** Switch-disconnector

- S0 → Switch-disconnector (SW)
- S1 → Switch-disconnector with remote disconnection (SW RD)
- S2 → Molded Case Circuit Breaker (MCCB)
- S3 → Motorized switch-disconnector (SW M)
- S4 → Switch-disconnector with Contactor (SW K)
- SX → No Switch-disconnector needed (N/A)

**FX:** Fuses / Fuseholders position

- F0 → Fuses Both Poles
- F1 → Only Positive Fuses
- F2 → Only Negative Fuses
- F3 → Only Fuse Holders
- F4 → Only fuse holder in positive (+)
- F5 → Only fuse holder in negative (-)
- FX → No Fuse holders needed (N/A)

**CXX:** CIL Fuses Type → C 10/15/16/20/25/30/40/50/55/60/63/80 - (Example C10)

**NXX:** NH Fuses Type → N 40/50/63/80/100/125/160/200/250/315/355/400 - (Example N40)

CXX → N/A, NXX → N/A

**VX:** SPD Type

- V0 → SPD Class II / V1 → SPD Class I+II / V2 → SPD Class I
- VX → No SPD needed (N/A)

**Country / Whole World**

**Floating:** YES (F) / NO

**P:** Portrait  
**L:** Landscape

**10:** 1000v  
**15:** 1500v

**TX:** Monitoring Device

- TX → No monitoring (N/A)
- T2 → TC 16i+ (1kV or 1.5kV)
- T5 → TC 2x16i+
- T7 → TC 16iH
- T8 → Others
- T9 → Fronrich
- TA1 → Solar SMS (25A)
- TA2 → Solar SMS (50A)
- TA3 → Solar SMS LoRaWAN (25A)
- TA4 → Solar SMS LoRaWAN (50A)

**PX:** Power Supply for (TX)

- PX → No Power Supply Needed (N/A)
- P0 → Self-Powered (BKE)
- P1 → External Power Supply (PS ACDC)
- PA → Self-Powered (EE)

**OX:** Output type

- OX → No holes needed (N/A)
- O0 → Cable Gland
- O1 → WMAC
- O2 → MCA
- O3 → Multivia CG

