

PV 212S0F3CXXV100TA1PA15LWW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Standard portfolio for 1 MPPT string inverters
Protect and monitor strings in solar parks with
string inverters with 1 MPPT.**

The following PV DC combiner box portfolio is meant to be used with string inverters with one Maximum Power Point Tracker (MPPT) in order to bundle, protect and isolate the number of strings these inverters use. 1 MPPT

General ordering data

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, for wall mounting, Switch disconnect, Landscape, Current monitoring, Voltage monitoring, Temperature monitoring, String Inverter
Order No.	8000115485
Type	PV 212S0F3CXXV100TA1PA15LWW
GTIN (EAN)	4099986757486
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	636 mm	Height (inches)	25.039 inch
Width	847 mm	Width (inches)	33.346 inch
Net weight	20,000 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

Amount of maximum power points	1		
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	24
		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	12		
Number of conduit inlets	29		
Number of inputs	12		
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.	400 mm ²
DC output cable connection	M10 bolt and nut connection		
Load circuit breaker with auxiliary contact	No		
Number of DC outputs	2		

Creation date August 24, 2024 4:49:36 AM CEST

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Technical data

DC string monitoring

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

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)	Cover	Hinged door
Enclosure attachment	Fixing lugs	Impact resistance	IK10 in accordance with IEC 62262
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	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

Requirements class	Type I/II	Short-circuit current I_{SCP}	20.75 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
ECLASS 14.0	22-57-02-92		

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www.weidmueller.com**Technical data****Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	1d28ada4-1634-4382-8635-45f6353a6574
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl

Approvals

Approvals



ROHS	Conform
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Downloads

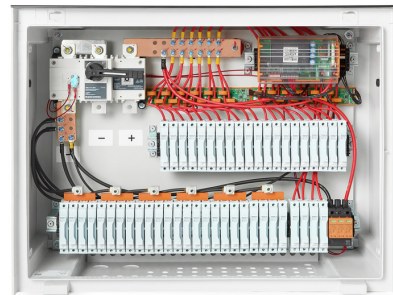
Approval/Certificate/Document of Conformity	EU Declaration of Conformity Combiner Boxes monitored
Technical Documentation	Mechanical Drawing Electrical Drawing
User Documentation	User Manual PV DC Combiner Boxes
Catalogues	Catalogues in PDF-format

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Drawings



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Drawings**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)
S5 → 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 C20)

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)

OX: Output type
O0 → No holder needed (N/A)
O1 → Cable Gland
O2 → M24
O3 → M26
O4 → M28

Country / Whole World

Floating: YES (F) / NO

P: Portrait

L: Landscape

10: 1000V

15: 1500V

TX: Monitoring Device

TX → No monitoring (N/A)
T0 → TC 24V (24V or 1.3kV)
T1 → TC 24V
T2 → TC 24V
T3 → TC 24V
T4 → TC 24V
T5 → TC 24V
T6 → TC 24V
T7 → TC 24V
T8 → TC 24V
T9 → TC 24V
T10 → TC 24V
T11 → TC 24V
T12 → TC 24V
T13 → TC 24V
T14 → TC 24V
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T16 → TC 24V
T17 → TC 24V
T18 → TC 24V
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T94 → TC 24V
T95 → TC 24V
T96 → TC 24V
T97 → TC 24V
T98 → TC 24V
T99 → TC 24V

PX: Power Supply for (TX)

PX → No Power Supply Needed (N/A)
P0 → Self-Powered (SEI)
P1 → External Power Supply (PS ACDC)
P2 → Self-Powered (SEI)
P3 → Self-Powered (SEI)
P4 → Self-Powered (SEI)
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