

**PV 216S0F3CXXV100TXPX15LWW****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, String Inverter
Order No.	<a href="#">8000123553</a>
Type	PV 216S0F3CXXV100TXPX15LWW
GTIN (EAN)	4099986882638
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	13,290.092 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	32
		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	15 A, 16 A, 20 A, 25 A, 30 A, 32 A		
Fuse	Empty fuse holder		
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 <sup>2</sup>
		Wire cross-section, max.	300 mm <sup>2</sup>
DC output cable connection	M10 bolt and nut connection		
Load circuit breaker with auxiliary contact	No		
Number of DC outputs	2		

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**Technical data****DC string monitoring**

Monitoring function	Non monitored
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**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	Switching disconnecter capacity	IEC 60947-3
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**Enclosure**

Connection type string	Internal terminal (with cable gland feed-through)	Cover	Hinged door
Enclosure attachment	Fixing lugs	Impact resistance	IK 10 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 $I_{SCP}$	19 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

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	1d28ada4-1634-4382-8635-45f6353a6574

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS

Conform

**Downloads**

Approval/Certificate/Document of Conformity

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

Technical Documentation

[Mechanical Drawing](#)[Electrical Drawing](#)

User Documentation

[User Manual PV DC Combiner Boxes](#)

Catalogues

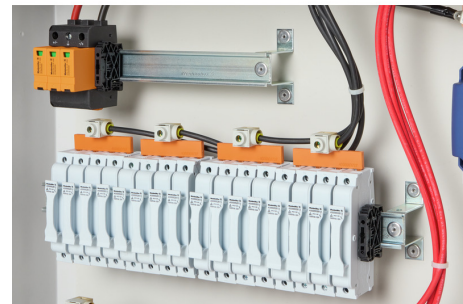
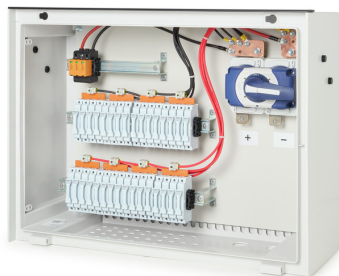
[Catalogues in PDF-format](#)

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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 → M24  
O4 → M24  
O5 → M24

**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  
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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 (SE)  
P1 → External Power Supply (PS ACDC)  
P2 → Self-Powered (SE)  
P3 → Self-Powered (SE)  
P4 → Self-Powered (SE)  
P5 → Self-Powered (SE)  
P6 → Self-Powered (SE)  
P7 → Self-Powered (SE)  
P8 → Self-Powered (SE)  
P9 → Self-Powered (SE)

