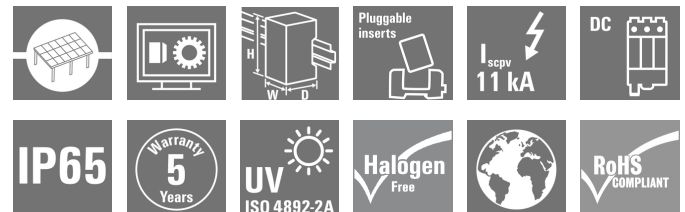


PV 216S0F3CXXV000TXPX15PWW**Weidmüller Interface GmbH & Co. KG**

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.	8000124309
Type	PV 216S0F3CXXV000TXPX15PWW
GTIN (EAN)	4099986891425
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	847 mm	Height (inches)	33.346 inch
Width	636 mm	Width (inches)	25.039 inch
Net weight	32,400 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

Connection DC input cable (+)	Screw connection	Connection DC input cable (-)	Screw connection
Connection type, DC input cable	Cable gland	Fuse	15 A, 16 A, 20 A, 25 A, 30 A, 32 A
Fuse	Empty fuse holder	Number of DC inputs	16
Position of the fuses	positive and negative inputs		

DC outputs

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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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)	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		

Inputs

Cartridge fuse	10 x 85 mm		
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 type	Empty fuse holder		
Fuse-link standard	gPV (EN 60269-6)		

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

Surge protection DC side

Short-circuit current I _{SCP}	19.5 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

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

[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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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 → Molded 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 negative (-)
 F5 → Only Fuse holder in negative (+)
 F6 → 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)

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 200 (200V or 230V)
 T5 → TC 200V
 T6 → TC 200V
 T7 → TC 200V
 T8 → Others
 T9 → Others
 T10 → Solar SMS (25A)
 T11 → Solar SMS (25A)
 T12 → Solar SMS (25A)
 T13 → Solar SMS Lokulian (25A)
 T14 → Solar SMS Lokulian (25A)

PX: Power Supply for (TX)

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

OX: Output type

OX → No Input needed (N/A)
 O1 → WMAC
 O2 → NACE
 O3 → Multivolt CG

