

PV 224S0F3CXXV003TXPX15PFJP
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com


Easy. fast. & save. installation Our mission toward the energy transition: We want to make the installation of PV systems on the roof easier, faster and safer for installers. For this reason, we offer an extensive range of PV combiner boxes. The combiner box product family PV Next offers standard variants for DC-side protection of the installation between PV panel and inverter. At the same time, PV strings can be combined in the PV boxes to reduce the amount of cabling required.

General ordering data

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, Switch disconnecter, Portrait, Floating Combiner Box
Order No.	8000057077
Type	PV 224S0F3CXXV003TXPX15PFJP
GTIN (EAN)	8430243418263
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	360 mm	Depth (inches)	14.1732 inch
Height	835 mm	Height (inches)	32.874 inch
Width	635 mm	Width (inches)	24.9999 inch
Net weight	32414.11 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
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 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	24		
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
	Wire connection	Type of connection	M20 Cable gland
Number of inputs	24		
Number of conduit inlets	11		
DC Input + & -	Cable entry	Number of cable entries	48
		Cable diameter, min.	6 mm
		Cable diameter, max.	8 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	
Connection type, DC output cable		Screw terminal connectors	
DC Output + & -	Wire connection	Type of connection	M25 connection, IP67, ø: 13-18 mm
		Wire cross-section, min.	50 mm²
		Wire cross-section, max.	95 mm²
Number of DC outputs	2		
Load circuit breaker with auxiliary contact	No		

DC string monitoring

Monitoring function	Non monitored
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Housing

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

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

- 01 → Switch-disconnector (SW)
- 02 → Switch-disconnector with remote disconnection (SW RC)
- 03 → Moulded Case Circuit Breaker (MCCB)
- 04 → Moulded switch-disconnector (SW M)
- 05 → Switch-disconnector with Connector (SW K)
- 06 → No switch-disconnector needed (N/A)

FX: Fuses / Fuseholders position

- 01 → Fuses both Poles
- 02 → Only Positive Pole
- 03 → Only Negative Pole
- 04 → Only Fuse Holders
- 05 → Only Fuse Holder in positive (+)
- 06 → Only Fuse Holder in negative (-)
- 07 → No fuse holders needed (N/A)

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

RXX: RIL Fuses Type → R 40/50/63/80/100/125/160/200/250/315/400 - (Example R40)

CXX → N/A, RXX → N/A

VX: SPD Type

V0 → SPD Class II / V1 → SPD Class III / V2 → SPD Class I

VX → No SPD needed (N/A)

OX: Output type

- 01 → No fuse holder needed (N/A)
- 02 → Cable Gland
- 03 → WMC
- 04 → MCA
- 05 → Multise G5

TX: Monitoring Device

- TX → No monitoring (N/A)
- T1 → TC 20V (20V or 1.20V)
- T2 → TC 20V
- T3 → TC 20V
- T4 → TC 20V
- T5 → TC 20V
- T6 → TC 20V
- T7 → TC 20V
- T8 → TC 20V
- T9 → TC 20V
- T10 → TC 20V
- T11 → TC 20V
- T12 → TC 20V
- T13 → TC 20V
- T14 → TC 20V
- T15 → TC 20V
- T16 → TC 20V
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- T96 → TC 20V
- T97 → TC 20V
- T98 → TC 20V
- T99 → TC 20V
- T100 → TC 20V

PX: Power Supply for (TX)

- PX → No Power Supply needed (N/A)
- P1 → Self-Powered (SE1)
- P2 → Self-Powered (SE2)
- P3 → External Power Supply (PS ACDC)
- PA → Self-Powered (SE)