

PV 224S0F4CXXV000TXPX15PWW

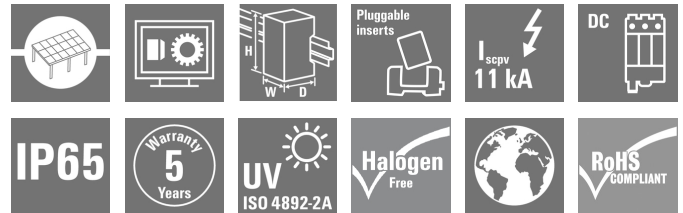
Weidmüller Interface GmbH & Co. KG

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.	8000068263
Type	PV 224S0F4CXXV000TXPX15PWW
GTIN (EAN)	8430243421553
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	21,885.238 g		

Temperatures

Ambient temperature	-20 °C...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 without remote contact	Switching capacity	400 A (DC21B 1500 V)

DC inputs

Cartridge fuse	10 x 85 mm		
Connection DC input cable (+)	Screw connection		
Connection DC input cable (-)	M8 bolt and nut connection		
Connection type, DC input cable	Cable gland		
DC Input + & -	Wire connection	Type of connection	M16 Cable gland
	Cable entry	Number of cable entries	48
		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	24		
Position of the fuses	only in positive inputs		
Surge protection auxiliary contact	Wire connection	Type of connection	Screw connection
	Cable entry	Number of cable entries	1
		Cable diameter, min.	6 mm
		Cable diameter, max.	12 mm

DC outputs

DC Output + & -	Wire connection	Type of connection	M40 Cable gland
		Wire cross-section, min.	150 mm ²
		Wire cross-section, max.	300 mm ²
	M12 bolt and nut connection		
DC output cable connection	M12 bolt and nut connection		
Load circuit breaker with auxiliary contact	No		
Number of DC outputs	2		

Creation date July 3, 2025 9:23:50 PM CEST

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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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Classifications

ETIM 6.0	EC002928	ETIM 7.0	EC002928
ETIM 8.0	EC003857	ETIM 9.0	EC003857
ETIM 10.0	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
ECLASS 15.0	22-57-02-92		

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Environmental Product Compliance

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

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity Combiner Boxes non monitored
Engineering Data	CAD data – STEP 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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www.weidmueller.com**Accessories****Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	9008410000	Screwdriver, Screwdriver
GTIN (EAN)	4032248056378	
Qty.	1 pc(s).	

Spare Arrester**General ordering data**

Type	VPU II O PV 1500V DC	Version
Order No.	1351480000	Surge voltage arrester, Low voltage, Accessories
GTIN (EAN)	4050118158632	
Qty.	1 pc(s).	

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Accessories

10x85 gPV



gPV 10×85 cylindrical fuse cartridges are designed to provide compact, safe and economical protection of photovoltaic modules (field protection) with voltages up to 1,500 DC. They provide protection against both overload and short circuit (gPV class according to the requirements of IEC60269-6 and UL248-19 standards).

General ordering data

Type	FUSE WSFL 10X85 16A 1K5 ...	Version
Order No.	4000002609	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 16 A
GTIN (EAN)	8430243419628	
Qty.	5 pc(s).	
Type	FUSE WSFL 10X85 15A 1K5 ...	Version
Order No.	4000002597	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 15 A
GTIN (EAN)	8430243419611	
Qty.	50 pc(s).	
Type	FUSE WSFL 10X85 25A 1K5 ...	Version
Order No.	4000002611	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 25 A
GTIN (EAN)	8430243419642	
Qty.	50 pc(s).	
Type	FUSE WSFL 10X85 32A 1K5 ...	Version
Order No.	4000002612	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 32 A
GTIN (EAN)	8430243419659	
Qty.	5 pc(s).	
Type	FUSE WSFL 10X85 20A 1K5 ...	Version
Order No.	4000002610	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 20 A
GTIN (EAN)	8430243419635	
Qty.	50 pc(s).	

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www.weidmueller.com**Accessories****Tools**

- For flexible and solid conductors with special insulating materials
- High-quality stripping for industrial applications (complies with aircraft industry requirements)
- Specially shaped blades enable stripping of special types of insulation and conductor configurations
- Stripping length adjustable via end stop
- Very versatile thanks to interchangeable stripping units
- Stripping results reproduced accurately over and over again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its sturdy design
- Integrated cutting function

General ordering data

Type	MULTI-STRIPAX PV	Version
Order No.	1190490000	Photovoltaics, Plug-in connector
GTIN (EAN)	4032248973262	
Qty.	1 pc(s).	

Cutting tools

Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Type	KT 14	Version
Order No.	1157820000	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4032248945344	
Qty.	1 pc(s).	

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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 → M20x1.5
O3 → M20x1.5

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
T15 → TC 24V
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T93 → TC 24V
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)

