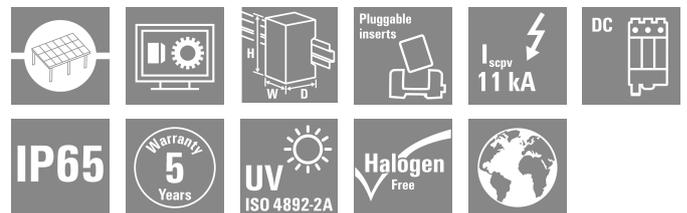


PV 224S0F4CXXV000TXPX15PWW

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 Weidmueller'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 disconnecter, Portrait, Central Inverter
Order No.	8000068263
Type	PV 224S0F4CXXV000TXPX15PWW
GTIN (EAN)	8430243421553
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	847 mm	Height (inches)	33.3464 inch
Width	636 mm	Width (inches)	25.0393 inch
Net weight	21885.24 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 with exemption
RoHS Exemption (if applicable/known)	6c
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 (-)	M8 bolt and nut 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
DC Input + & -	Wire connection	Type of connection	M20 Cable gland
	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
Connection DC input cable (+)	Screw connection		
Fuse type	Empty fuse holder		
Position of the fuses	only in positive inputs		
Type of fuse	Empty fuse holder		
Surge protection auxiliary contact	Cable entry	Number of cable entries	1

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		Cable diameter, min.	6 mm
		Cable diameter, max.	12 mm
	Wire connection	Type of connection	Screw connection

DC outputs

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

DC string monitoring

Monitoring function	Non monitored		
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Housing

Type of mounting	Wall mounting	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

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Drawings

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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)
- SX → 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 C10)

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

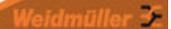
- TX → No monitoring (N/A)
- T2 → TC 16i+ (1kV or 1.5kV)
- T5 → TC 2x16i+
- T7 → TC 16iH
- T8 → Others
- T9 → Fronrich
- TA1 → Solar SMS (25A)
- TA2 → Solar SMS (50A)
- TA3 → Solar SMS LoRaWAN (25A)
- TA4 → Solar SMS LoRaWAN (50A)

PX: Power Supply for (TX)

- PX → No Power Supply Needed (N/A)
- P0 → Self-Powered (BKE)
- P1 → External Power Supply (PS ACDC)
- PA → Self-Powered (EE)

OX: Output type

- OX → No holes needed (N/A)
- O0 → Cable Gland
- O1 → WMAC
- O2 → MCA
- O3 → Multivia CG



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Accessories

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 ST		

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 ST		

Slotted screwdriver



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

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Accessories

General ordering data

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

Spare Arrester



General ordering data

Type	VPU II 0 PV 1500V DC	Version	
Order No.	1351480000	Surge voltage arrester, Low voltage, Accessories	
GTIN (EAN)	4050118158632		
Qty.	1 ST		

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

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Accessories

Type	FUSE WSFL 10X85 32A 1K5...	Version
Order No.	4000002612	Photovoltaics, Cartridge fuse, 1500 V, 10x85, gPV, 32 A
GTIN (EAN)	8430243419659	
Qty.	5 ST	