

**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.	<a href="#">8000068263</a>
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 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 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	Empty fuse holder		
Fuse	15 A, 16 A, 20 A, 25 A, 30 A, 32 A		
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.	22 mm <sup>2</sup>
		Wire cross-section, max.	32 mm <sup>2</sup>
DC output cable connection	M12 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)	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		

### Surge protection DC side

Short-circuit current $I_{SCP}$	14 A	Standards	EN 61439-2:2011, IEC 61439-2 ed 3.0
Surge protection DC side	1500 V type II without 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
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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals

**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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## 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.	<a href="#">1157820000</a>	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4032248945344	
Qty.	1 pc(s).	

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Spare Arrester****General ordering data**

Type	VPU II O PV 1500V DC	Version
Order No.	<a href="#">1351480000</a>	Surge voltage arrester, Low voltage, Accessories
GTIN (EAN)	4050118158632	
Qty.	1 pc(s).	

**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.	<a href="#">1190490000</a>	Photovoltaics, Plug-in connector
GTIN (EAN)	4032248973262	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://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.	<a href="#">9008410000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056378	
Qty.	1 pc(s).	



