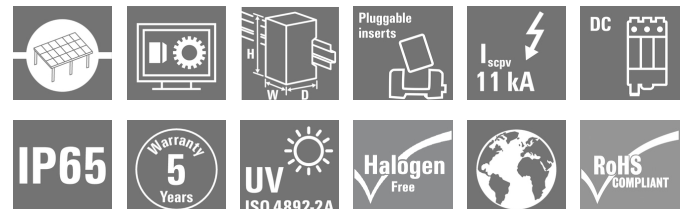


**PV 224S0F4CXXV000TXPX15PWW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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	847 mm	Depth (inches)	33.346 inch
Height	636 mm	Height (inches)	25.039 inch
Width	300 mm	Width (inches)	11.811 inch
Net weight	21,885.238 g		

## Temperatures

Ambient 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	Switching capacity	400 A (DC21B 1500 V)

## DC inputs

Fuse	Empty fuse holder	Number of DC inputs	24
Position of the fuses	only in positive inputs		

## DC outputs

Number of DC outputs	2
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## 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
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## Enclosure

Connection type string	Internal terminal (with cable gland feed-through)	Enclosure attachment	Fixing lugs
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Type of mounting	Wall mounting

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## Technical data

## 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	Fuse type	Empty fuse holder
Fuse-link standard	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		

## 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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## Approvals

Approvals



## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity Combiner Boxes non monitored</a>
Engineering Data	<a href="#">CAD data – STEP</a> <a href="#">Electrical Drawing</a> <a href="#">Thermal Report</a>
Technical Documentation	<a href="#">Mechanical Drawing</a>
User Documentation	<a href="#">User Manual PV DC Combiner Boxes</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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## Drawings



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**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).	

**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).	

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[www.weidmueller.com](http://www.weidmueller.com)**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).	

**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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## 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 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 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).	
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 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 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).	

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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 (+)  
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

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

**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 (200 or 2.5kV)  
T5 → TC 200kV  
T6 → TC 200kV  
T7 → TC 200kV  
T8 → Others  
T9 → Forcibly  
T10 → Solar SMS (25A)  
T12 → Solar SMS (50A)  
T13 → Solar SMS Lokuliban (25A)  
T14 → Solar SMS Lokuliban (50A)

**PX:** Power Supply for (TX)

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

