

**PV 224SXFXCXXVXO3TA3PA15LWW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Intelligent product in a compact size**

PV retrofit monitoring boxes make it possible to obtain data at string level in PV systems with existing, unmonitored PV-DC generator combiner boxes. All without additional work such as trenching and cabling.

Integrated power monitoring provided by our Solar SMS monitoring system allows to do the right surveillance of the PV site to guarantee the best performance of the system.

Additionally, our PV monitoring boxes fulfill the standard IEC/EN 61439-2:2020 to guarantee a high reliability of the supplied units.

**General ordering data**

Version	Photovoltaics, Assembled enclosure, 1500 V, Cable gland, for wall mounting, Landscape, Digital signals, Monitoring components, Current monitoring, Voltage monitoring, Temperature monitoring, 24-channel
Order No.	<a href="#">8000122017</a>
Type	PV 224SXFXCXXVXO3TA3PA15LWW
GTIN (EAN)	4099986862036
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Depth	210 mm	Depth (inches)	8.268 inch
Height	302 mm	Height (inches)	11.89 inch
Width	558 mm	Width (inches)	21.968 inch
Net weight	10,000 g		

## Temperatures

Ambient temperature	-20°C to +45 °C	Operating temperature	-20°C to +45 °C
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## DC electrical properties

Rated voltage	1,500 V	Surge protection DC side	No surge protection
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## DC inputs

Connection DC input cable (+)	PUSH IN		
Connection DC input cable (-)	PUSH IN		
Connection type, DC input cable	Cable gland		
DC Input + & -	Wire connection	Type of connection	PUSH IN
		Wire cross-section, min.	0.5 mm <sup>2</sup>
		Wire cross-section, max.	6 mm <sup>2</sup>
	Cable entry	Number of cable entries	24
		Cable diameter, min.	5 mm
		Cable diameter, max.	7 mm
Fuse	No		
Fuse	Neither fuse cartridge nor holder		
Fuse type	Neither fuse cartridge nor holder		
Number of DC inputs	24		
Number of conduit inlets	14		
Number of inputs	24		

## DC outputs

Connection type, DC output cable	PUSH IN		
DC Output + & -	Wire connection	Type of connection	PUSH IN
		Wire cross-section, min.	0.5 mm <sup>2</sup>
		Wire cross-section, max.	6 mm <sup>2</sup>
DC output cable connection	Cable gland		
Number of DC outputs	24		

## DC string monitoring

Current monitoring	Solar SMS	Monitoring function	Solar SMS, Output voltage, current, temperature
Supply	Self-powered	Temperature monitoring	Solar SMS
Voltage monitoring	Solar SMS		

## Housing

Protection degree	IP65	Type of mounting	Wall mounting
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Creation date October 5, 2024 4:27:10 AM CEST

Catalogue status 28.09.2024 / We reserve the right to make technical changes.

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## Technical data

### Norms and standards

Standards	EN 61439-2:2020, 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)	Cover	with cover
Enclosure attachment	Fixing lugs	Impact resistance	IK10 in accordance with IEC 62262, IK08 in accordance with IEC 62208
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Type of mounting	Wall mounting

### General data

Installation location	Protected outdoor area (>1 km from sea)	Protection degree	IP65
Standards	EN 61439-2:2020, IEC 61439-2 ed 3.0		

### Surge protection DC side

Short-circuit current $I_{SCP}$	12 A	Standards	EN 61439-2:2020, IEC 61439-2 ed 3.0
Surge protection DC side	No surge protection		

### 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
ECLASS 14.0	22-57-02-92		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	1d28ada4-1634-4382-8635-45f6353a6574
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6aI, 7a, 7cI

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## Technical data

### Approvals

Approvals



### Downloads

Approval/Certificate/Document of Conformity

[EU Declaration of Conformity Combiner Boxes monitored](#)

Engineering Data

[Thermal report](#)

Technical Documentation

[Mechanical Drawing](#)

Catalogues

[Catalogues in PDF-format](#)

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The image shows the internal components of a device. A large yellow warning label is prominently displayed in the center. To the left, a battery pack is visible, secured with an orange padlock. Red and black wires are connected to various components. At the bottom, there is a terminal block with multiple pins. The device is housed in a grey plastic enclosure with several screw covers on the top and bottom edges. A 'Weltmotive' logo is visible in the top right corner.

