

PV 224SXFXXVXO3TA1PA15LWW**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, 1500 V, Cable gland, for wall mounting, Landscape, Digital signals, Monitoring components, Current monitoring, Voltage monitoring, Temperature monitoring, 24-channel
Order No.	8000135051
Type	PV 224SXFXXVXO3TA1PA15LWW
GTIN (EAN)	4099987056236
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	7,714.176 g		

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 ²
		Wire cross-section, max.	6 mm ²
	Cable entry	Number of cable entries	24
		Cable diameter, min.	5 mm
		Cable diameter, max.	7 mm
Fuse	Neither fuse cartridge nor holder		
Fuse	No		
Fuse type	Neither fuse cartridge nor holder		
Number of DC 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 ²
		Wire cross-section, max.	6 mm ²
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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Norms and standards

Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020
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Technical data

Guarantee

Time interval	5 years
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Electrical characteristics

Rated DC voltage	1,500 V
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Enclosure

Cover	with cover	Enclosure attachment	Fixing lugs
Impact resistance	IK10 in accordance with IEC 62262	Insulating material	Polyester glass-fibre reinforced, Polycarbonate
Switch disconnecter execution	no switch	Type of mounting	Wall mounting

General data

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

Surge protection DC side

Short-circuit current I_{SCP}	12 A	Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020
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

Approvals

Approvals



Downloads

Engineering Data	Thermal report
Technical Documentation	Mechanical Drawing
Catalogues	Catalogues in PDF-format

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