

PV 212SXFXCXXVXO3TA3PA15LWW**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, 12-channel
Order No.	8000112714
Type	PV 212SXFXCXXVXO3TA3PA15LWW
GTIN (EAN)	4099986869400
Qty.	1 pc(s).

PV 212SXFXXVX03TA3PA15LWW

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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	7,452.393 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 ²
		Wire cross-section, max.	6 mm ²
	Cable entry	Number of cable entries	12
		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	12		
Number of conduit inlets	8		
Number of inputs	12		

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	12		

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 August 29, 2024 8:41:05 PM CEST

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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)	6a, 7a, 7cI

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www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of Con-
formity[EU Declaration of Conformity Combiner Boxes monitored](#)

Engineering Data

[Thermal report](#)

Technical Documentation

[Mechanical Drawing](#)

Catalogues

[Catalogues in PDF-format](#)

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