

PV 118SXFXXV001TXPX15LWW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Standard portfolio for Multi MPPT string inverters**
Protect strings and inverters against overvoltage.

Protecting long cables and string inverter inputs (MPPT's) is crucial for the smooth operation of solar plant installations whether it's a rooftop or utility scale one. For that purpose, Weidmueller has developed a product portfolio with a set of different cabinets which helps to protect the cables and/or the string DC input side of the inverter against potential overvoltages. These solutions allow installers and developers to benefit from Weidmueller's experience in solar PV and its commitment with quality standards. Multi-MMPT

General ordering data

Version	Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, Surge protection II, WM4C, for wall mounting, Landscape, String Inverter
Order No.	8000109859
Type	PV 118SXFXXV001TXPX15LWW
GTIN (EAN)	4099986666320
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	300 mm	Depth (inches)	11.811 inch
Height	536 mm	Height (inches)	21.102 inch
Width	747 mm	Width (inches)	29.409 inch
Net weight	13,420.559 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 with remote contact		

DC inputs

Amount of maximum power points	9		
Connection DC input cable (+)	WM4C plug-in connector		
Connection DC input cable (-)	WM4C plug-in connector		
Connection type, DC input cable	WM4C plug-in connector		
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	Screw connection
Fuse	Neither fuse cartridge nor holder		
Fuse type	Neither fuse cartridge nor holder		
Number of DC inputs	18		

DC outputs

Connection type, DC output cable	WM4C plug-in connector	DC output cable connection	WM4C plug-in connector
Number of DC outputs	18		

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	IEC 61439-2 ed 3.0, EN 61439-2:2020
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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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Creation date July 7, 2024 10:02:58 PM CEST

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Enclosure

Connection type string	Plug WM4C	Cover	Hinged door
Enclosure attachment	Fixing lugs	Impact resistance	IK 10 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}	18 A	Standards	IEC 61439-2 ed 3.0, EN 61439-2:2020
Surge protection DC side	1500 V type II with 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	/
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Approvals

Approvals



ROHS	Conform
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Downloads

Catalogues	Catalogues in PDF-format
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Drawings

