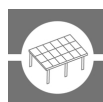
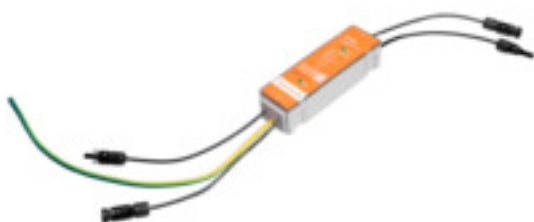


PVI DC 1I 1O 1MPP SPD1 MC4 10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Version	Photovoltaics, Combiner Box, PV Inline, 1100 V, 1 MPP, 1 Input / 1 Output per MPP, Surge protection I / II, MC4
Order No.	3108220000
Type	PVI DC 1I 1O 1MPP SPD1 MC4 10
GTIN (EAN)	4099987179775
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	52 mm	Depth (inches)	2.047 inch
Height	280 mm	Height (inches)	11.024 inch
Width	60 mm	Width (inches)	2.362 inch
Net weight	658 g		

Temperatures

Humidity	5 - 95% rel. humidity
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Guarantee

Time interval	5 years
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Electrical characteristics

Current per Maximum Power Point, max. 39 A

Rated DC voltage	1,100 V
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Rated short-term current resistance	Rated current	48.75 A
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Enclosure

Connection type string	Plug MC4	Cover	with cover
Enclosure attachment	Via mounting foots	Impact resistance	IK06
Insulating material	ABS	Protection class	II
Type of mounting	Wall mounting		

General data

Installation location	Protected outdoor area (>1 km from sea)	Protection degree	IP65
Standards	IEC 61643-31, EN 50539-11		

Inputs

Amount of maximum power points (MPP)	1		
DC Input + & -	Wire connection	Type of connection	Stäubli MC4 connector
		Compatible cable crossection	TÜV 2 Pfg 1169/08.07
		Wire cross-section, min.	4 mm ²
		Wire cross-section, max.	6 mm ²
Functional earth connector	Wire connection	Type of connection	Pre-assembled cable
		Flexible, max. H05(07) V-K	16 mm ²
		w. wire end ferrule, DIN 46228 pt 1, max.	16 mm ²
Fuse type	Neither fuse cartridge nor holder		
Max. number of DC inputs	per Maximum Power Point 1 input		
Number of string inputs per MPP	1		
Number of inputs	1		

Creation date March 12, 2025 5:00:10 PM CET

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Outputs

DC Output + & -	Wire connection	Type of connection	Stäubli MC4 connector
		Wire cross-section, min.	4 mm ²
		Wire cross-section, max.	6 mm ²
Max. number of DC outputs	per Maximum Power Point 1 output		

Surge protection DC side

Discharge current I_n (8/20 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
Lightning test current I_{imp} (10/350 μ s)	5 kA	PV system voltage, max. U_{cpv}	1,100 V
Protection level U_p (+/-, -/PE, +/-PE)	≤ 4.4 kV	Requirements class	Type I/II
Short-circuit current I_{scpv}	6,000 A	Standards	IEC 61643-31, EN 50539-11
Surge protection DC side	1000 V type I + II	Total discharge current I_{total} (8/20 μ s)	40 kA
Total discharge current I_{total} (10/350 μ s)	5 kA		

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		

Downloads

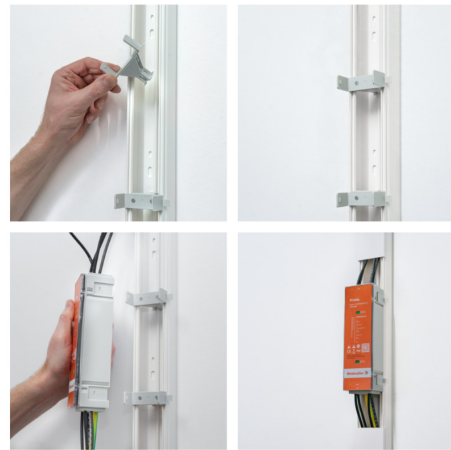
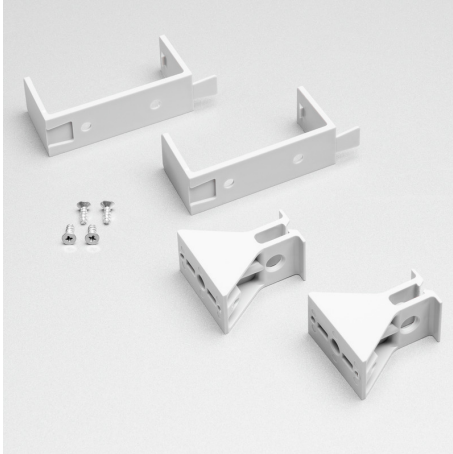
Approval/Certificate/Document of Conformity	CE Declaration PV Inline
Engineering Data	CAD data – STEP
User Documentation	Manual PV Inline
Catalogues	Catalogues in PDF-format

PVI DC 1I 10 1MPP SPD1 MC4 10

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Drawings

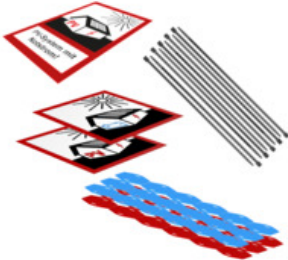


PVI DC 1I 10 1MPP SPD1 MC4 10**Weidmüller Interface GmbH & Co. KG**

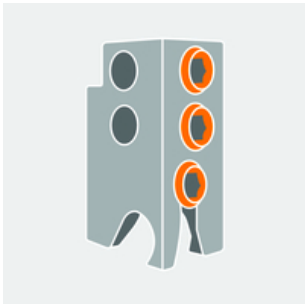
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www.weidmueller.com**Accessories****PV marking sets****General ordering data**

Type	PV MARKER 1-3 MPP	Version		Packaging	
Order No.	8000149520	Photovoltaics, Device markers, Accessories, Conductor and cable		Plastic bag	
GTIN (EAN)	4099987229197	markers, Cable ties, Marking set, Warning label, Cable marker			
Qty.	1 pc(s).				

Potential equalisation terminal block

Our potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

General ordering data

Type	EBB 25-50/16	Version	
Order No.	1547490000	Potential distributor terminal, Screw connection, Brass coloured, 50	
GTIN (EAN)	4050118387438	mm², 0 A, Number of connections: 3, Number of levels: 1	
Qty.	10 pc(s).		