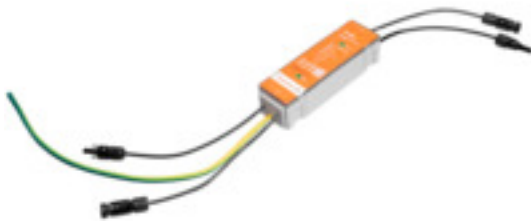


PVI DC 1I 1O 1MPP SPD1 MC4 10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The compact PV combiner box PV Inline with SPD Type I +II is used in rooftop PV installations.

It protects the PV system from overvoltages, including lightning strikes.

In the event of an overvoltage, it creates a ground connection.

The space-saving surge protection device (SPD) is particularly suitable for confined spaces.

It can be integrated into cable channels or mounted behind PV modules.

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

Ambient temperature	-40 °C...85 °C	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		
Rated short-term current resistance	Rated current	48.75 A	

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	Indoor use	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		

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Technical data

Outputs

DC Output + & -	Wire connection	Type of connection	Stäubli MC4 connector
		Wire cross-section, min.	4 mm²
		Wire cross-section, max.	6 mm²
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_{SCP}	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
ETIM 10.0	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
ECLASS 15.0	22-57-02-92		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Downloads

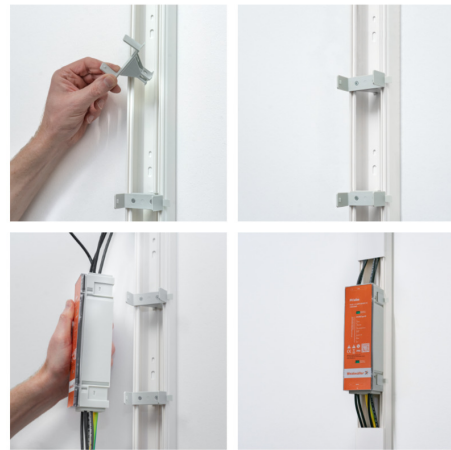
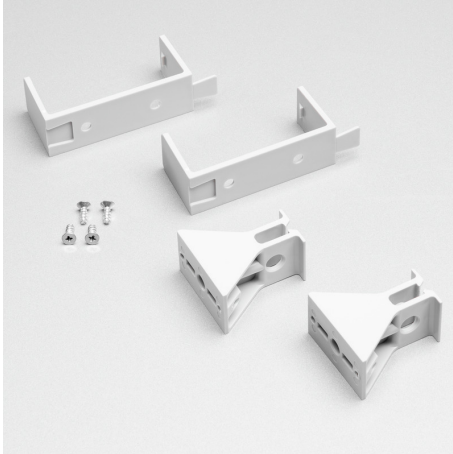
Approval/Certificate/Document of Conformity	CE Declaration PV Inline
Engineering Data	CAD data – STEP
User Documentation	Manual PV Inline
Catalogues	Catalogues in PDF-format

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Drawings



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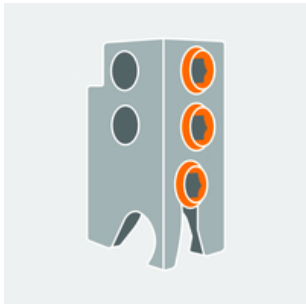
Germany

www.weidmueller.com**Accessories****50 mm²**

Klippon® Connect power feed-in terminal blocks WPD allow for an easy and safe installation of aluminium and copper conductors on a small footprint. A power supply or monitoring connection can also be used as an option. Customers can use the power feed-in terminal blocks WPD, regardless of the conductor material. They can be mounted either directly or on DIN rail TS35.

General ordering data

Type	WPD 230 2X50/2X50 GN	Version
Order No.	2502600000	Potential distributor terminal, Screw connection, green, 50 mm ² , 150
GTIN (EAN)	4050118516425	A, 1000 V, Number of connections: 4, Number of levels: 1
Qty.	5 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

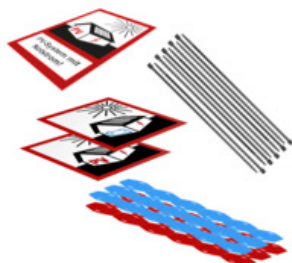
Type	EBB 25-50/16	Version
Order No.	1547490000	Potential distributor terminal, Screw connection, Brass coloured, 50
GTIN (EAN)	4050118387438	mm ² , 0 A, Number of connections: 3, Number of levels: 1
Qty.	10 pc(s).	

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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).		