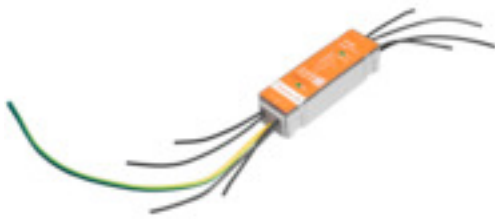


PVI DC 1I 1O 2MPP SPD1 C 10**Weidmüller Interface GmbH & Co. KG**

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, 2 MPP's, 1 Input / 1 Output per MPP, Surge protection I / II, Cable end open
Order No.	3066790000
Type	PVI DC 1I 1O 2MPP SPD1 C 10
GTIN (EAN)	4099987064194
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	860 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. 56 A

Rated DC voltage 1,100 V

Rated short-term current resistance | Rated current 70 A

Enclosure

Connection type string	Cable with cut end	Cover	with cover
Enclosure attachment	Via mounting foots	Impact resistance	IK06
Insulating material	ABS	Protection class	II

General data

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

Inputs

Amount of maximum power points (MPP)	2		
DC Input + & -	Wire connection	Type of connection	Open cable end / length 160 mm
		Wire cross-section, min.	6 mm ²
		Wire cross-section, max.	6 mm ²
Functional earth connector	Wire connection	Type of connection	Open cable end / length 500 mm
		Flexible, max. H05(07) V-K	16 mm ²
		w. wire end ferrule, DIN 46228 pt 1, max.	16 mm ²
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	Open cable end / length 160 mm
		Wire cross-section, min.	6 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_{SCP}	6,000 A	Standards	EN 61643-31
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

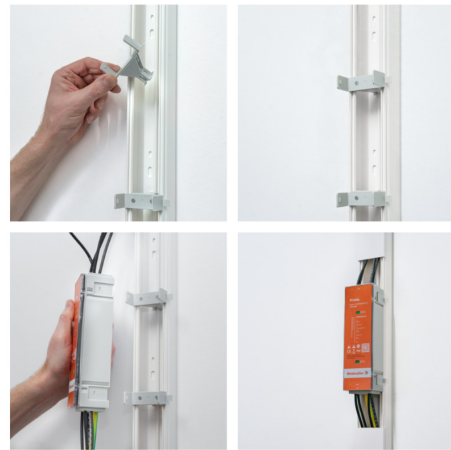
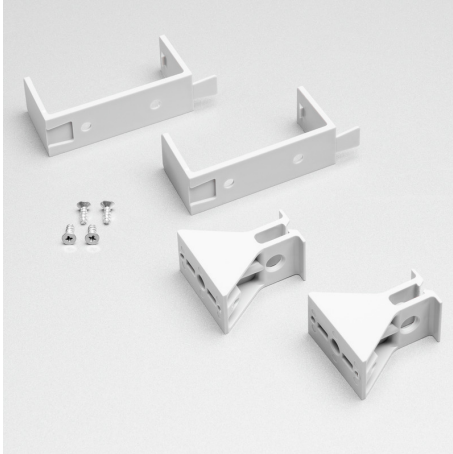
Approval/Certificate/Document of Conformity	CE Declaration PV Inline
User Documentation	Manual PV Inline
Catalogues	Catalogues in PDF-format

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Drawings



PVI DC 1I 1O 2MPP SPD1 C 10

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Accessories

PV-Stick field connectors



Faster is better. This also applies to the cabling of solar systems. Our handy connectors stay firmly in your grip even in frosty temperatures and can be installed very quickly and easily without a crimping tool.

You don't need crimp contacts and crimping tools and you avoid assembly errors. This saves up to 50% installation time – without affecting quality. The new photovoltaic connectors are TÜV-approved and comply with IEC 62852.

Our "SNAP IN" technology enables safe connections with minimal effort – insert, turn: current!

- 1.500 V DC (DE) / 1,500 V DC (EN)
- SNAP IN technology
- Standard-compliant quality in accordance with IEC 62852
- Ergonomic, prize-winning design
- Fastest PV connector currently available
- Reliable latching

General ordering data

Type	PV-STICK SET	Version
Order No.	1422030000	Photovoltaics, Plug-in connector
GTIN (EAN)	4050118225723	
Qty.	1 pc(s).	

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).	

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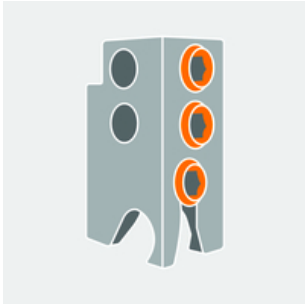
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Accessories

Potential equalisation terminal block

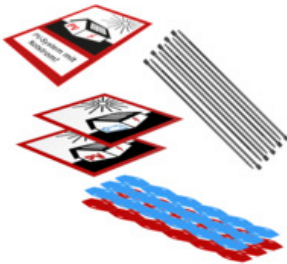


Our potential equalisation terminal blocks allow you to achieve reliably integrated potential equalisation, even in extended systems.

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).	

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).		