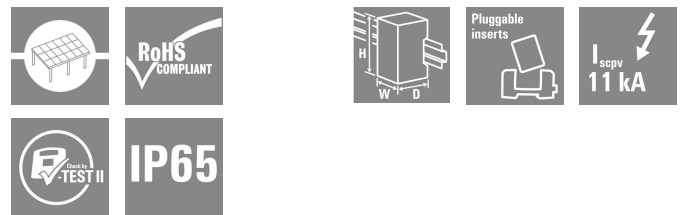


PVC DC 2I 20 5MPP SPD1R EVO 11

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



PV Next combiner boxes for inverters with 1 to 12 MPP trackers are used to protect the DC side of a photovoltaic system. The combiner boxes protect the inverter against overvoltages and thus comply with the European Directive CLC/TS 51643-32. In addition, these products offer the possibility to protect the system against reverse currents and the possibility to combine strings to save cables during installation.

General ordering data

Order No.	8000112726
Type	PVC DC 2I 20 5MPP SPD1R EVO 11
Qty.	1 items

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Technical data

Dimensions and weights

Depth	132 mm	Depth (inches)	5.1968 inch
Height	336 mm	Height (inches)	13.2283 inch
Width	400 mm	Width (inches)	15.748 inch
Net weight	6080.63 g		

Temperatures

Humidity	5 - 90 %, no condensation
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Electrical characteristics

Rated DC voltage	1100 V	Current per Maximum Power Point, max. 45 A
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Enclosure

Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Type of mounting	4 screws, Wall mounting
Impact resistance	IK10 in accordance with IEC 62262, IK08 in accordance with IEC 62208	Enclosure attachment	Via mounting feet
Protection class	II	Connection type string	Plug MC4-Evo 2

General data

Standards	EN 61643-31, EN 61439-2	Protection degree	IP65
Installation location	Protected outdoor area (Land and Sea)		

Inputs

Amount of maximum power points (MPP)	5	Number of conduit inlets	10
Fuse type	Neither fuse cartridge nor holder	Fuses	No
Max. number of DC inputs	per Maximum Power Point 2 inputs connected in parallel	Number of string inputs per MPP	≤ 2
Number of inputs	2		

Outputs

Max. number of DC outputs	per Maximum Power Point 2 outputs connected in parallel
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Surge protection DC side

Standards	EN 61643-31, EN 61439-2	Lightning test current Iimp (10/350 μs)	6.25 kA
Discharge current, max. (8/20 μs)	40 kA	Protection level Up (+/-, -/PE, +/-PE)	≤ 3.8 kV
Standby power consumption PC	<0,2 W	Short-circuit current ISCPV	11000 A
Total discharge current Itotal (8/20 μs)	50 kA	Discharge current In (8/20 μs)	20 kA
Requirements class	Type I/II	Total discharge current Itotal (10/350 μs)	12.5 kA
Protection level Up (-/PE)	≤ 3.8 kV	Protection level Up (+/-)	≤ 3.8 kV

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Technical data

Protection level Up (+/PE)	≤ 3,8 kV	PV system voltage, max. Ucpv	1100 V
Maximum continuous operating voltage	1100 V		
DC UCPV mode +/-, -/PE, +/-PE			

DC load break switch

Voltage type	DC	Switch disconnecter execution	no switch
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Classifications

ETIM 8.0	EC003857	ETIM 9.0	EC003857
ETIM 10.0	EC003857	ECLASS 14.0	22-57-02-92
ECLASS 15.0	22-57-02-92		