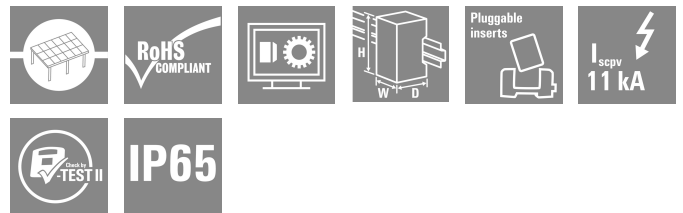


PVC DC 2I 20 6MPP SPD1R EVO 11
Weidmüller Interface GmbH & Co. KG

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.	8000132042
Type	PVC DC 2I 20 6MPP SPD1R EVO 11
GTIN (EAN)	4099986997547
Qty.	1 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	132 mm	Depth (inches)	5.1968 inch
Depth with add-on components	132 mm	Height	336 mm
Height (inches)	13.2283 inch	Width	400 mm
Width (inches)	15.748 inch	Net weight	7350 g

Temperatures

Humidity 0...90 % (no condensation)

DC string monitoring

Monitoring function Non monitored

Electrical characteristics

Rated DC voltage 1100 V Current per Maximum Power Point, max. 41 A

Enclosure

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

General data

Standards	IEC 61439-2 ed 3.0, EN 61643-31	Protection degree	IP65
Installation location	Protected outdoor area (>1 km from sea)		

Inputs

Amount of maximum power points (MPP)	6	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	≥ 4...≤ 6	Number of inputs	12

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Surge protection DC side

Standards	IEC 61439-2 ed 3.0, EN 61643-31	Lightning test current limp (10/350 µs)	6.25 kA
Discharge current, max. (8/20 µs)	40 kA	Protection level Up (+/-, -/PE, +/-PE)	≤ 3.8 kV
Short-circuit current ISCPv	11000 A	Total discharge current Itotal (8/20µs)	50 kA
Discharge current In (8/20 µs)	20 kA	Requirements class	Type I/II
Total discharge current Itotal (10/350µs)	6.25 kA	Protection level Up (-/PE)	≤ 3.8 kV
Protection level Up (+/-)	≤ 3.8 kV	Protection level Up (+/PE)	≤ 3.8 kV
PV system voltage, max. Ucpv	1100 V	Surge protection DC side	1000 V type I + II
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		