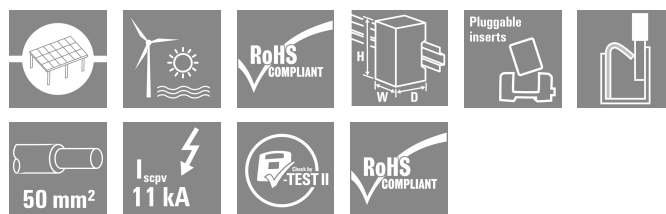
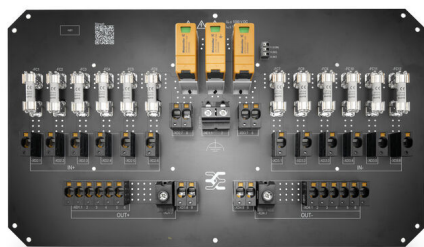


PVN PCBA 1KV 6I6O SPD T2 F**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Photovoltaics, PCB, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection II
Order No.	2770550000
Type	PVN PCBA 1KV 6I6O SPD T2 F
GTIN (EAN)	4064675029632
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2024-12-31T00:00:00+01:00

PVN PCBA 1KV 6I60 SPD T2 F

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	254 mm	Depth (inches)	10 inch
Height	69.2 mm	Height (inches)	2.7244 inch
Width	440 mm	Width (inches)	17.3228 inch
Net weight	915 g		

Temperatures

Ambient temperature -40 °C...70 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	bdab5698-6a20-4370-8e28-8810d882d01a

Approvals and norms

Approvals EN 61439-2, IEC 61439-2

Electrical characteristics

Rated DC voltage	1000 V		
Rated short-term current resistance	Rated current	112.5 A	
Current per Maximum Power Point, max.	90 A		
Rated DC current per connection	Rated current	15 A	
	Short-circuit at main output	Duration	10.00 h
		Factor	1.25 * Inc

Enclosure

Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Type of mounting	4 screws
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General data

Standards	EN 61439-2:2011, IEC 61439-2 ed 2.0	Protection degree	IP00
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Inputs

Cartridge fuse	10 x 38 mm		
Fuse-link standard	gPV (EN 60269-6), IEC 60269-1, IEC 60269-6		
Amount of maximum power points (MPP)	1		
DC Input + & -	Wire connection	Type of connection	PUSH IN with actuator
		Compatible cable crosssection	TÜV 2 Pfg1169/08.07

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		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	50 mm ²
Fuse type	Empty fuse holder		
Max. number of DC inputs	per Maximum Power Point 6 inputs connected in parallel		
Number of string inputs per MPP	≥ 4...≤ 6		
Surge protection auxiliary contact	Wire connection	Type of connection	Tension clamp connection with actuator
		Flexible, max. H05(07) V-K	1.5 mm ²
		w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
Number of inputs	6		

Outputs

Max. number of DC outputs	per Maximum Power Point 7 outputs connected in parallel		
DC Output + & -	Wire connection	Compatible cable cross-section	TÜV 2 Pfg 1169/08.07
		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	16 mm ²

Surge protection DC side

Standards	EN 61439-2:2011, IEC 61439-2 ed 2.0	Discharge current, max. (8/20 µs)	40 kA
Standby power consumption PC	<0.2 W	Short-circuit current ISCP	11000 A
Total discharge current I _{total} (8/20 µs)	50 kA	Discharge current I _n (8/20 µs)	20 kA
Requirements class	Type II	Protection level Up (-/PE)	≤ 3.8 kV
Protection level Up (+/-)	≤ 3.8 kV	Protection level Up (+/PE)	≤ 3.8 kV
PV system voltage, max. U _{cpv}	1100 V		

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		

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Drawings

