

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 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2024-12-31

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Catalogue status 22.04.2025 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	254 mm	Depth (inches)	10 inch
Height	69.2 mm	Height (inches)	2.724 inch
Width	440 mm	Width (inches)	17.323 inch
Net weight	915 g		

Temperatures

Ambient temperature	-40 °C...70 °C
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Approvals and norms

Approvals	EN 61439-2, IEC 61439-2
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Electrical characteristics

Current per Maximum Power Point, max. 90 A			
Rated DC voltage	1,000 V		
Rated short-term current resistance	Rated current	112.5 A	

Enclosure

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

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

Amount of maximum power points (MPP)	1		
Cartridge fuse	10 x 38 mm		
DC Input + & -	Wire connection	Type of connection	PUSH IN with actuator
		Compatible cable crossection	TÜV 2 Pfg 1169/08.07
		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	50 mm ²
Fuse type	Empty fuse holder		
Fuse-link standard	gPV (EN 60269-6), IEC 60269-1, IEC 60269-6		
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		

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Outputs

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

Max. number of DC outputs per Maximum Power Point 7 outputs connected in parallel

Surge protection DC side

Discharge current I_n (8/20 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
PV system voltage, max. U_{cpv}	1,100 V	Protection level U_p (+/-)	≤ 3.8 kV
Protection level U_p (+/PE)	≤ 3.8 kV	Protection level U_p (-/PE)	≤ 3.8 kV
Requirements class	Type II	Short-circuit current I_{SCP}	11,000 A
Standards	EN 61439-2:2011, IEC 61439-2 ed 2.0	Standby power consumption P_C	<0.2 W
Total discharge current I_{total} (8/20 μ s)	50 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
REACH SVHC	Lead 7439-92-1
SCIP	bdab5698-6a20-4370-8e28-8810d882d01a

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
ROHS	Conform

Downloads

Technical Documentation	Drawing PVN PCBA 1KV 6I60 SPD T2 F
User Documentation	MANUAL PVN PCBA MULTI
Catalogues	Catalogues in PDF-format

PVN PCBA 1KV 6I6O SPD T2 F

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Drawings

