

PVN PCBA 1KV 3I3O 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, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection II
Order No.	2770560000
Type	PVN PCBA 1KV 3I3O SPD T2 F
GTIN (EAN)	4064675029649
Qty.	1 pc(s).

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Catalogue status 24.11.2023 / 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	254 mm	Width (inches)	10 inch
Net weight	778 g		

Approvals and norms

Approvals EN 61439-2, IEC 61439-2

Electrical characteristics

Current per Maximum Power Point, max. 45 A

Rated DC current per connection	Rated current	15 A	
	Short-circuit at main output	Duration	10 h
Factor		1.25 * I _{nc}	
Rated short-term current resistance	Rated current	56.25 A	
Rated DC voltage	1,000 V		

Enclosure

Type of mounting 4 screws

General data

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

Inputs

Amount of maximum power points	1 MPPT		
Cartridge fuse	10 x 38 mm		
DC Input + & -	Wire connection	Type of connection	PUSH IN with actuator
		Compatible cable cross-section	TÜV 2 Pfg1169/08.07, EN 50618:2015
		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	16 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 3 inputs connected in parallel		
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

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Outputs

DC Output + & -	Wire connection	Compatible cable cross-section	TÜV 2 Pfg 1169/08.07, EN 50618:2015
		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	16 mm ²

Max. number of DC outputs per Maximum Power Point 3 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
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	22570292

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals



ROHS Conform

Downloads

Technical Documentation	Drawing PVN PCBA 1KV 3I30 SPD T2 F
User Documentation	MANUAL PVN PCBA MULTI
Catalogues	Catalogues in PDF-format

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Drawings

