

**PVN PCBA 1KV 6I6O SPD T1+2 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 I / II
Order No.	<a href="#">2770540000</a>
Type	PVN PCBA 1KV 6I6O SPD T1+2 F
GTIN (EAN)	4064675029625
Qty.	1 pc(s).

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Catalogue status 09.12.2023 / 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	87.1 mm	Height (inches)	3.429 inch
Width	440 mm	Width (inches)	17.323 inch
Net weight	719 g		

### Approvals and norms

Approvals EN 61439-2, IEC 61439-2

### Electrical characteristics

Current per Maximum Power Point, max. 90 A

Rated DC current per connection	Rated current	15 A	
	Short-circuit at main output	Duration	10 h
		Factor	1.25 * I <sub>nc</sub>
Rated short-term current resistance	Rated current	112.5 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 <sup>2</sup>
		Wire cross-section, max.	50 mm <sup>2</sup>
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		
Surge protection auxiliary contact	Wire connection	Type of connection	Tension clamp connection with actuator
		Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
		w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>

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### Outputs

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

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

### Surge protection DC side

Discharge current $I_n$ (8/20 $\mu$ s)	20 kA	Discharge current, max. (8/20 $\mu$ s)	40 kA
Lightning test current $I_{imp}$ (10/350 $\mu$ s)	6.25 kA	PV system voltage, max. $U_{cpv}$	1,100 V
Protection level $U_p$ (+/-, -/PE, +/-PE)	$\leq 3.8$ kV	Protection level $U_p$ (+/-)	$\leq 3.8$ kV
Protection level $U_p$ (+/PE)	$\leq 3.8$ kV	Protection level $U_p$ (-/PE)	$\leq 3.8$ kV
Requirements class	Type I/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 $\mu$ s)	50 kA	Total discharge current $I_{total}$ (10/350 $\mu$ s)	12.5 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	<a href="#">Drawing PVN PCBA 1KV 6I60 SPD T1+2 F</a>
User Documentation	<a href="#">MANUAL PVN PCBA MULTI</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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**Drawings**

