

PVN1M2I4S1FXVXO2TXPX11**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	Photovoltaics, Combiner Box, Fireman's switch, 2 MPP's, 2 Inputs / 1 Output per MPP, Remote disconnecter, MC4-Evo 2, 1100 V
Order No.	2888530000
Type	PVN1M2I4S1FXVXO2TXPX11
GTIN (EAN)	4064675875574
Qty.	1 pc(s).

Creation date July 2, 2024 11:10:28 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	135 mm	Depth (inches)	5.315 inch
Height	370 mm	Height (inches)	14.567 inch
Width	200 mm	Width (inches)	7.874 inch
Net weight	2,538 g		

Temperatures

Ambient temperature	-20 °C...+50 °C	Humidity	5...95 %, no condensation
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Approvals and norms

Approvals	EN 61439-2, IEC 61439-2, OVE-Directive R 11-1:2022-05-01
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Guarantee

Time interval	5 years
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Electrical characteristics

Current per Maximum Power Point, max. 30 A

Rated DC current per connection	Current per string, max.	30 A
Rated short-term current resistance	Rated current	37.5 A
Rated DC voltage	1,100 V	
Switching disconnecter capacity	IEC 60947-3, DC-PV1	

Enclosure

Connection type string	Plug MC4-Evo 2	Enclosure attachment	Via mounting feet
Impact resistance	IK08 in accordance with IEC 62208, IK10 in accordance with IEC 62262	Insulating material	Polyester glass-fibre reinforced, Polycarbonate
Protection class	II	Switch disconnecter execution	Remote disconnecter inside enclosure
Type of mounting	Wall mounting		

General data

Installation location	Protected outdoor area (>1 km from sea)	Protection degree	IP65
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Inputs

Amount of maximum power points	2 MPP		
DC Input + & -	Wire connection	Type of connection	Stäubli MC4-Evo 2 connector
		Wire cross-section, min.	2.5 mm ²
		Wire cross-section, max.	6 mm ²
Fuse type	Neither fuse cartridge nor holder		
Max. number of DC inputs	per Maximum Power Point 2 inputs connected in parallel		

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Technical data
Outputs

DC Output + & -	Wire connection	Type of connection	Stäubli MC4-Evo 2 connector
		Wire cross-section, min.	2.5 mm²
		Wire cross-section, max.	6 mm²
Max. number of DC outputs		per Maximum Power Point 1 output	

Remote disconnecter

Automatic reclosing after voltage drop	Yes		
Number of operating cycles	10,000		
Control voltage	100 V AC - 250 V AC 50/60Hz		
Remote disconnecter auxiliary contact	Cable entry	Number of cable entries	1
	Wire connection	Type of connection	Screw terminal connectors
		Flexible, max. H05(07) V-K	1.5 mm ²
		w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
Remote disconnecter control contact	Cable entry	Number of cable entries	1
	Wire connection	Type of connection	Screw terminal connectors
		Flexible, max. H05(07) V-K	1.5 mm ²
		w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
Type of power circuit disconnection	Under voltage tripping or manual switch operation		
Turn-off time	1.5 s		

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	22-57-02-92

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www.weidmueller.com**Technical data****Tender specification sheets**

Long specification

Automatic ON and OFF
switching fireman switch
for the connection to 2
MPP tracker in the inverter.
Suitable for remote discon-
nection of the DC side by
the fire department.
Max. string voltage Uoc:
1100V

MPP1:
2 inputs, connection via
MC4-Evo 2 connector,
compatible with cable type
TÜV 2 Pfg1169/08.07 /
EN 50618:2063
1 output, connection via
MC4-Evo 2 connector,
compatible with cable type
TÜV 2 Pfg1169/08.07 /
EN 50618:2063
MPP2:
identical to MPP1

DC fireman switch:
Switching off by undervolt-
age tripping.
Automatic reconnection
after the control voltage
(230 V AC) is applied
again.
With signal contact.

Connection of the fire-
man switch control line
230 VAC via cable glands
(8-12mmØ) max. conduc-
tor cross-section: 1.5mm².
Connection of the signal
contact 24 VDC via cable
glands (8-12mmØ) max.
conductor cross-section:
1.5mm².
Protection class: IP65.
All built into a glas fibre re-
inforced polyester hous-
ing. Dimensions HxWxD:
370x200x135mm.

Approval according to low
voltage switchgear IEC
61439-1:2011 and EN
61439-2:2011

Environmental Product Compliance

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

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www.weidmueller.com**Technical data****Important note**

Product information

The SCIP number was assigned due to a lead content of more than 0.1 % of the net weight.

Safe use instruction according to ECHA:

The identification of the hazardous substance is sufficient to allow safe use of the article throughout its life cycle, including the service life, disassembly and waste/recycling phase

Approvals

Approvals

**Downloads**

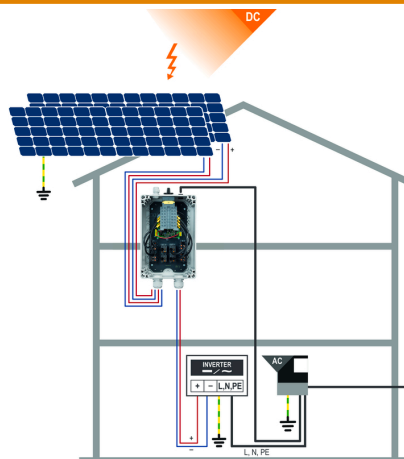
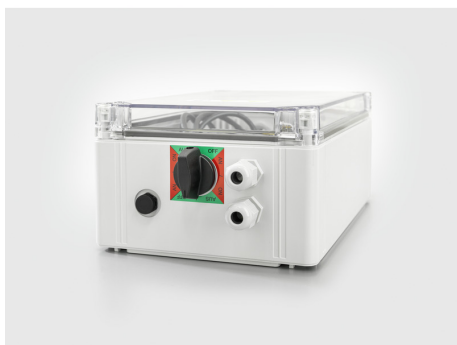
Engineering Data	CAD data – STEP
Technical Documentation	CAD data – Schematic diagram 2888530000 Customer drawing
User Documentation	MANUAL PV NEXT RD DE/EN
White paper	Fact Sheet DE PV CB Lastentrennschalter Fact Sheet EN PV CB Load break switch Fact Sheet DE PV Feuerwehrscharter Fact Sheet EN PV Fireman switch
Catalogues	Catalogues in PDF-format

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Drawings



PVN 1 M2 I6 S0 F3 V1 Q1 TX PX 10									
Series		Voltage		Powersupply		Monitoring		Output Type	
PVN – PV Next		10 – 1kV		x = n/a		x = n/a		0 – CG	
VPU – PV Protect		11 – 1.1kV						1 – WIMAC	
		15 – 1.5kV						2 – MDA-Evo 2	
Level		Inputs		Switch		SPD		Fuses	
1 – DC trunk box (L1)		1...12 inputs		x = n/a		2/0 – TYP II		x = n/a	
Series				0 – manual switch		1 – TYP I+II		3 – only fuse holders	
1 – 1 MPPT supported				1 – remote switch		X – No SPD			
2 – 2 MPPT supported									
3 – 3 MPPT supported									
4 – 4 MPPT supported									
5 – 5 MPPT supported									
6 – 6 MPPT supported									

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www.weidmueller.com**Accessories****Slotted screwdriver**

VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 0.6X3.5X100	Version
Order No.	2749810000	Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade
GTIN (EAN)	4050118897012	thickness (A): 0.6 mm
Qty.	1 pc(s).	
Type	SDIS 1.0X5.5X125	Version
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

Cutting tools

Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

Type	KT 14	Version
Order No.	1157820000	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4032248945344	
Qty.	1 pc(s).	

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Accessories

Y-Connector Cables



The Y or X cable is used to connect three or four elements of a PV system, such as the connection between PV panels, inverters and surge protection boxes. The cables are available in different connection variants.

General ordering data

Type	PVHYM-M-XXXX6W+15	Version
Order No.	2877850000	Photovoltaics, Y-Connector Cable, 1x WM4 C Female, 2x MC4 Male,
GTIN (EAN)	4064675666417	6mm², 1500 V
Qty.	1 pc(s).	
Type	PVHYM+M+XXXX6W-15	Version
Order No.	2877860000	Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 2x MC4 Female,
GTIN (EAN)	4064675666424	6mm², 1500 V
Qty.	1 pc(s).	

UV-resistant cable ties



UV-resistant polyamide 6.6 ensures long durability of our special cable ties even with strong UV radiation. Ideal for continuous outdoor use.

General ordering data

Type	CB-UVR 290/4,5 BK	Version
Order No.	2659350000	Cable ties, 4.5 x 290 mm, Polyamide 66, 220 N
GTIN (EAN)	4050118682816	
Qty.	100 pc(s).	

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www.weidmueller.com**Accessories****Tools**

- For flexible and solid conductors with special insulating materials
- High-quality stripping for industrial applications (complies with aircraft industry requirements)
- Specially shaped blades enable stripping of special types of insulation and conductor configurations
- Stripping length adjustable via end stop
- Very versatile thanks to interchangeable stripping units
- Stripping results reproduced accurately over and over again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its sturdy design
- Integrated cutting function

General ordering data

Type	MULTI-STRIPAX PV	Version
Order No.	1190490000	Photovoltaics, Plug-in connector
GTIN (EAN)	4032248973262	
Qty.	1 pc(s).	

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Drawings