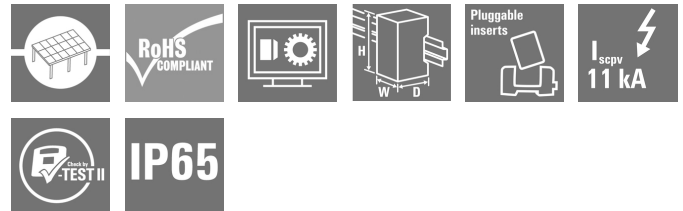


**PVN DC 2I 1O 3MPP SPD2R CG 11****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

PV Next combiner boxes for inverters with 1 to 12 MPP trackers are used to protect the DC side of a photovoltaic system. The combiner boxes protect the inverter against overvoltages and thus comply with the European Directive CLC/TS 51643-32. In addition, these products offer the possibility to protect the system against reverse currents and the possibility to combine strings to save cables during installation.

**General ordering data**

Version	Photovoltaics, Combiner Box, 3 MPP's, 2 Inputs / 1 Output per MPP, Surge protection II, Cable gland, 1100 V
Order No.	<a href="#">2975570000</a>
Type	PVN DC 2I 1O 3MPP SPD2R CG 11
GTIN (EAN)	4099986823167
Qty.	1 pc(s).
Replacement parts	<a href="#">2530660000</a>

**PVN DC 2I 10 3MPP SPD2R CG 11****Weidmüller Interface GmbH & Co. KG**

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Dimensions and weights**

Depth	132 mm	Depth (inches)	5.197 inch
Height	235 mm	Height (inches)	9.252 inch
Width	400 mm	Width (inches)	15.748 inch
Net weight	999 g		

**Temperatures**

Humidity	5...95 %, no condensation
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**Approvals and norms**

Approvals	EN 61439-2:2020
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**Guarantee**

Time interval	5 years
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**Electrical characteristics**

Current per Maximum Power Point, max. 50.25 A	Rated DC voltage	1,100 V
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**Enclosure**

Connection type string	Internal terminal (with cable gland feed-through)	Cover	removeable
Enclosure attachment	Via mounting foots	Impact resistance	IK08 in accordance with IEC 62208, IK10 in accordance with IEC 62262
Insulating material	Polyester glass-fibre reinforced, Polycarbonate, Polycarbonate	Protection class	II
Switch disconnecter execution	no switch	Type of mounting	Wall mounting

**General data**

Installation location	Protected outdoor area (Land and Sea)	Protection degree	IP65
Standards	EN 61439-2		

**Inputs**

Amount of maximum power points	3	Fuse type	Neither fuse cartridge nor holder
Max. number of DC inputs	per Maximum Power Point 2 inputs connected in parallel		

**Outputs**

Max. number of DC outputs	per Maximum Power Point 1 output
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**Technical data**
**Surge protection DC side**

Discharge current $I_n$ (8/20 $\mu$ s)	20 kA	Discharge current, max. (8/20 $\mu$ s)	40 kA
Maximum continuous operating voltage		PV system voltage, max. $U_{cpv}$	1,100 V
DC UCPV mode +/-, -/PE, +/-PE	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 II	Short-circuit current $I_{SCPv}$	11,000 A
Standards	EN 61439-2	Standby power consumption $P_c$	<0.2 W
Surge protection DC side	1000 V type II	Total discharge current $I_{total}$ (8/20 $\mu$ 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	22-57-02-92

**Downloads**

 Catalogues [Catalogues in PDF-format](#)

### PVN DC 2I 10 3MPP SPD2R CG 11

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## Drawings



## PVN DC 2I 10 3MPP SPD2R CG 11

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## Accessories

### 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.	<a href="#">2659350000</a>	Cable ties, 4,5 x 290 mm, Polyamide 66, 220 N
GTIN (EAN)	4050118682816	
Qty.	100 pc(s).	

### 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.	<a href="#">2877850000</a>	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.	<a href="#">2877860000</a>	Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 2x MC4 Female,
GTIN (EAN)	4064675666424	6mm², 1500 V
Qty.	1 pc(s).	

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[www.weidmueller.com](http://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.	<a href="#">1190490000</a>	Photovoltaics, Plug-in connector
GTIN (EAN)	4032248973262	
Qty.	1 pc(s).	

**PV Sun Covers****General ordering data**

Type	PV SUN COVER 30/19/18	Version
Order No.	<a href="#">8000086576</a>	Photovoltaics
GTIN (EAN)	4064675845164	
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****SL Set PV NEXT**

The **"SL SET PV NEXT"** allows the insertion of up to four cables through one cable gland whilst keeping a tight seal.

**General ordering data**

Type	SL SET PV NEXT	Version
Order No.	<a href="#">2729230000</a>	Photovoltaics
GTIN (EAN)	4050118804508	
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.	<a href="#">1157820000</a>	Cutting tools, Cutting tool for one-hand operation
GTIN (EAN)	4032248945344	
Qty.	1 pc(s).	

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**Accessories****Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

Type	SDIK PH3 X 150	Version
Order No.	<a href="#">2749910000</a>	Screwdriver, Blade width (B): 3 mm, 150 mm, Blade thickness (A): 3
GTIN (EAN)	4050118897210	
Qty.	1 pc(s).	

**External fixing lugs**

External attachment lugs 4-part set

**General ordering data**

Type	MF FPC	Version
Order No.	<a href="#">9536040000</a>	FPC (polycarbonate empty enclosure), Mounting foot, Fixing lugs,
GTIN (EAN)	4032248009442	Height: 40 mm, Width: 19 mm, Depth: 35.5 mm, Material: Polyamide,
Qty.	1 pc(s).	Light Grey



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[www.weidmueller.com](http://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.	<a href="#">2749810000</a>	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.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Replacement parts****Spare Arrester****General ordering data**

Type	VPU PV II O 1000	Version
Order No.	<a href="#">2530660000</a>	Surge voltage arrester, Low voltage, Accessories, Spare arrester
GTIN (EAN)	4050118540871	
Qty.	9 pc(s).	