

PV 210S5F3CXXV100TXPX10PWW

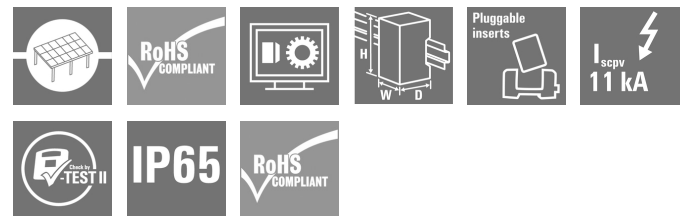
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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 EN 51543-32. 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, 1000 V, 2 MPP's, 10 Inputs / 1 Output per MPP, With fuse holder, Surge protection I / II, Switch disconnecter, Cable gland, Designed for Fronius Tauro Eco Inverters
Order No.	8000111137
Type	PV 210S5F3CXXV100TXPX10PWW
GTIN (EAN)	4099986935624
Qty.	1 pc(s).

Creation date June 14, 2024 9:10:15 AM CEST

Catalogue status 01.06.2024 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	350 mm	Depth (inches)	13.78 inch
Depth with add-on components	350 mm	Height	1,065 mm
Height (inches)	41.929 inch	Width	852 mm
Width (inches)	33.543 inch	Net weight	39,718.094 g

Electrical characteristics

Rated DC current per connection	Current per string, max.	13 A
Rated short-term current resistance	Rated current	162.5 A
Rated DC voltage	1,000 V	

Enclosure

Connection type string	Internal terminal (with cable gland feed-through)	Enclosure attachment	Fixing lugs
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Protection class	II
Switch disconnecter execution	switch inside enclosure	Type of mounting	Fixing lugs

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		
Cartridge fuse	10 x 38 mm		
DC Input + & -	Wire connection	Type of connection	Screw connection
		Wire cross-section, min.	1 mm ²
	Cable entry	Wire cross-section, max.	16 mm ²
		Number of cable entries	10
Functional earth connector	Cable entry	Number of cable entries	1
		Wire connection	Type of connection
	Flexible, max. H05(07) V-K		25 mm ²
	w. wire end ferrule, DIN 46228 pt 1, max.		16 mm ²
Fuse type	Empty fuse holder		
Fuse-link standard	gPV (EN 60269-6)		
Max. number of DC inputs	per Maximum Power Point 10 inputs connected in parallel		

Outputs

DC Output + & -	Wire connection	Type of connection	Screw connection
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 μ s)	20 kA	Discharge current, max. (8/20 μ s)	40 kA
Lightning test current I_{imp} (10/350 μ s)	6.25 kA	Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1,000 V
PV system voltage, max. U_{cpv}	1,000 V	Requirements class	Type I/II
Short-circuit current I_{SCPV}	162.5 A	Surge protection DC side	1000 V type I + II
Total discharge current I_{total} (8/20 μ s)	50 kA	Total discharge current I_{total} (10/350 μ 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	22-57-02-92

Important note

Product information Fuses are not included

Approvals

ROHS Conform

Downloads

Catalogues [Catalogues in PDF-format](#)

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Drawings

