

PV 210S0F3CXXV100TXPX10PWW

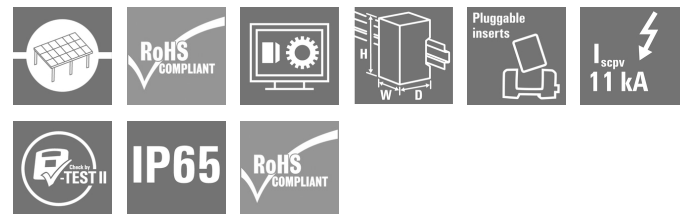
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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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, 1 MPP, 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.	8000111135
Type	PV 210S0F3CXXV100TXPX10PWW
GTIN (EAN)	4099986935648
Qty.	1 pc(s).

Creation date June 14, 2024 9:01:22 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	300 mm	Depth (inches)	11.811 inch
Depth with add-on components	300 mm	Height	847 mm
Height (inches)	33.346 inch	Width	636 mm
Width (inches)	25.039 inch	Net weight	23,154.256 g

DC string monitoring

Monitoring function	Non monitored
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Electrical characteristics

Current per Maximum Power Point, max. 130 A			
Rated DC current per connection	Current per string, max.	30 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
Standards	IEC 61439-2 ed 3.0, EN 61439-2		

Inputs

Amount of maximum power points	1		
Cartridge fuse	10 x 38 mm		
DC Input + & -	Wire connection	Type of connection	Screw terminal connectors
		Wire cross-section, min.	1.5 mm ²
		Wire cross-section, max.	16 mm ²
	Cable entry	Number of cable entries	10
Functional earth connector	Cable entry	Cable diameter, min.	6 mm
		Cable diameter, max.	12 mm
	Wire connection	Type of connection	Screw terminal connectors
		Flexible, max. H05(07) V-K w. wire end ferrule, DIN 46228 pt 1, max.	25 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		

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Outputs

DC Output + & -	Wire connection	Type of connection	Threaded stud connection
Max. number of DC outputs	per Maximum Power Point 1 output		

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	Standards	IEC 61439-2 ed 3.0, EN 61439-2
Surge protection DC side	yes, no auxiliary contact, 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
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Approvals

ROHS	Conform
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Downloads

Catalogues	Catalogues in PDF-format
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Drawings

