

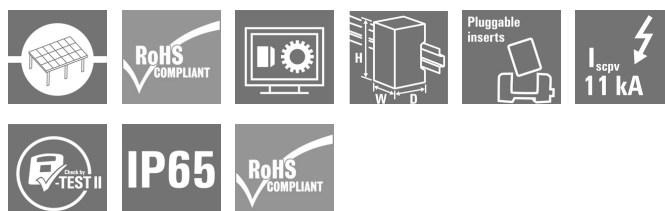
**PV 210S0F3CXXV100TA1PA10PWW****Weidmüller Interface GmbH & Co. KG**

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, 1 MPP, 10 Inputs / 1 Output per MPP, With fuse holder, Surge protection I / II, Switch disconnecter, Current monitoring, Cable gland, Designed for Fronius Tauro Eco Inverters |
| Order No.  | <a href="#">8000111136</a>  |
| Type       | PV 210S0F3CXXV100TA1PA10PWW   |
| GTIN (EAN) | 4099986933927   |
| Qty.       | 1 pc(s).  |

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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     | 23,686.752 g |

## Electrical characteristics

|                                     |                          |         |
|-------------------------------------|--------------------------|---------|
| 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) |
|-----------------------|---|

## 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 mm <sup>2</sup>         |
|                                    |   | Wire cross-section, max.                  | 16 mm <sup>2</sup>        |
|                                    | Cable entry   | Number of cable entries                   | 10                        |
| Functional earth connector         | Cable entry   | Number of cable entries                   | 1                         |
|                                    | Wire connection   | Type of connection                        | Screw terminal connectors |
|                                    |   | Flexible, max. H05(07) V-K                | 25 mm <sup>2</sup>        |
|                                    |   | w. wire end ferrule, DIN 46228 pt 1, max. | 16 mm <sup>2</sup>        |
| 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 |   |                           |
| Surge protection auxiliary contact | Wire connection   | Type of connection                        | PUSH IN with actuator     |
|                                    |   | Flexible, max. H05(07) V-K                | 2.5 mm <sup>2</sup>       |
|                                    |   | w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm <sup>2</sup>       |
|                                    | Cable entry   | Number of cable entries                   | 1                         |

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## Technical data

## Outputs

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

## 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 | Maximum continuous operating voltage                 |                    |
| PV system voltage, max. $U_{cpv}$                  | 1,000 V | DC UCPV mode +/-, -/PE, +/-PE                        | 1,000 V            |
| Short-circuit current $I_{SCP}$                    | 162.5 A | Requirements class                                   | Type I/II          |
| Total discharge current $I_{total}$ (8/20 $\mu$ s) | 50 kA   | Surge protection DC side                             | 1000 V type I + II |
|  |         | 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 | 22-57-02-92 |

## Important note

|                     |                        |
|---------------------|------------------------|
| Product information | Fuses are not included |
|---------------------|------------------------|

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Downloads

|            |  |
|------------|--|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|--|

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## Drawings

