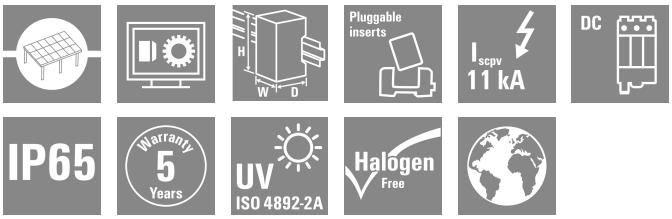
Data sheet

# PV 220S0F4CXXV0O0TAPA15PWW

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com




Standard portfolio for combiner boxes.
Protect and monitor strings in a solar park.
Weidmüller has developed a full portfolio of standard PV DC combiner boxes for solar parks. These products intend to cover the most common used solutions for such purposes in an efficient and competitive manner. From 6 up to 32 inputs our Generation X offers a full range of products for monitored and non-monitored combiner boxes allowing our customer to benefit from Weidmueller's experience and commitment to quality. Gen X

## General ordering data

| | |
|---|---|
| Version | Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, for wall mounting, Switch disconnector, Portrait, Current monitoring, Voltage monitoring, Temperature monitoring, Central Inverter |
| Order No. | 8000093501 |
| Type | PV 220S0F4CXXV0O0TAPA15PWW |
| GTIN (EAN) | 4064675853886 |
| Qty. | 1 items |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | CE |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 300 mm | Depth (inches) | 11.811 inch |
| Height | 847 mm | Height (inches) | 33.3464 inch |
| Width | 636 mm | Width (inches) | 25.0393 inch |
| Net weight | 25350.33 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Ambient temperature | -20 °C...45 °C | Operating temperature | -20ºC to +45 ºC |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cl |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 1d28ada4-1634-4382-8635-45f6353a6574 |

### DC electrical properties

| | | | |
|---|---|---|---|
| Rated voltage | 1500 V | Switching capacity | 400 A (DC21B 1500 V) |
| Earthing | Directly at the VPU | Surge protection DC side | 1500 V type II with remote contact |

### DC inputs

| | | | |
|---|---|---|---|
| Cartridge fuse | 10 x 85 mm | | |
| Fuse protection | 15 A, 16 A, 20 A, 25 A, 30 A, 32 A | | |
| Number of DC inputs | 20 | | |
| Fused poles of string | +/- | | |
| Connection type, DC input cable | Cable gland | | |
| Connection DC input cable (-) | Screw connection | | |
| Fuse-link standard | gPV (EN 60269-6) | | |
| Functional earth connector | Cable entry | Number of cable entries | 1 |
| | | Cable diameter, min. | 6 mm |
| | | Cable diameter, max. | 12 mm |
| | Wire connection | Type of connection | M20 Cable gland |
| Number of inputs | 20 | | |
| Number of conduit inlets | 45 | | |
| DC Input + & - | Wire connection | Type of connection | M16 Cable gland |
| | Cable entry | Number of cable entries | 40 |
| | | Cable diameter, min. | 5 mm |
| | | Cable diameter, max. | 10 mm |
| Connection DC input cable (+) | Screw connection | | |
| Fuse type | Empty fuse holder | | |
| Position of the fuses | only in positive inputs | | |
| Type of fuse | Empty fuse holder | | |

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### DC outputs

| | | | |
|---|---|---|---|
| DC output cable connection | M12 bolt and nut connection | | |
| DC Output + & - | Wire connection | Type of connection | M40 Cable gland |
| | | Wire cross-section, min. | 150 mm² |
| | | Wire cross-section, max. | 300 mm² |
| Number of DC outputs | 2 | | |
| Load circuit breaker with auxiliary contact | No | | |

### DC string monitoring

| | | | |
|---|---|---|---|
| Supply | Self-powered | Monitoring function | Solar SMS, Output voltage, current, temperature |
| Voltage monitoring | Solar SMS | Temperature monitoring | Solar SMS |
| Current monitoring | Solar SMS | | |

### Housing

| | | | |
|---|---|---|---|
| Type of mounting | Wall mounting | Protection degree | IP65 |

### Norms and standards

| | |
|---|---|
| Standards | EN 61439-2:2011, IEC 61439-2 ed 3.0 |

### Guarantee

| | |
|---|---|
| Time interval | 5 years |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC003857 | ETIM 9.0 | EC003857 |
| ETIM 10.0 | EC003857 | ECLASS 14.0 | 22-57-02-92 |
| ECLASS 15.0 | 22-57-02-92 | | |

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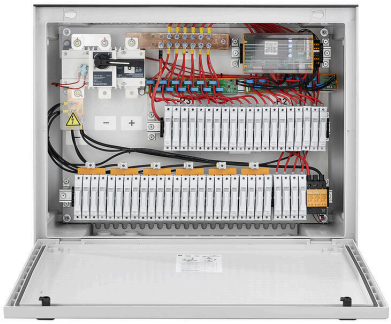
## Drawings



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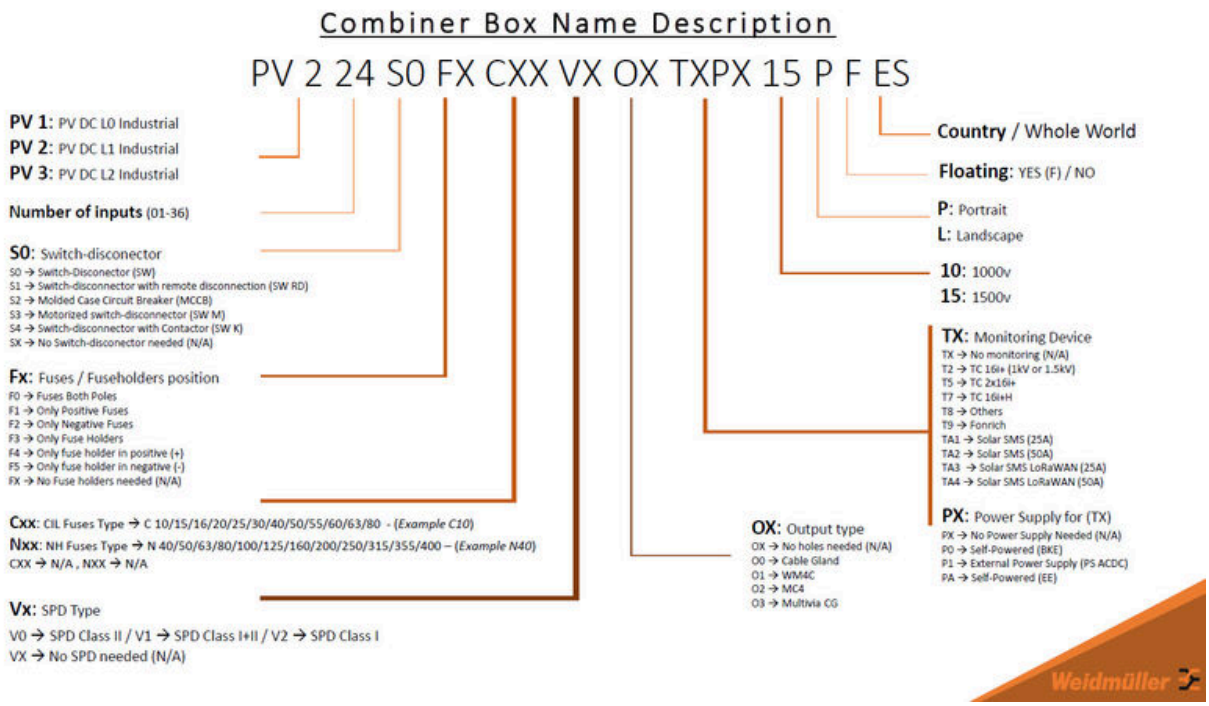
## Drawings