

**PV 220S0F3CXXV003TXPX15PFJP**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)


Easy. fast. & save. installation Our mission toward the energy transition: We want to make the installation of PV systems on the roof easier, faster and safer for installers. For this reason, we offer an extensive range of PV combiner boxes. The combiner box product family PV Next offers standard variants for DC-side protection of the installation between PV panel and inverter. At the same time, PV strings can be combined in the PV boxes to reduce the amount of cabling required.

**General ordering data**

|                 |                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version         | Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, With fuse holder, Surge protection II, Cable gland, Switch disconnecter, Portrait, Floating Combiner Box |
| Order No.       | <a href="#">8000057081</a>                                                                                                                                         |
| Type            | PV 220S0F3CXXV003TXPX15PFJP                                                                                                                                        |
| GTIN (EAN)      | 8430243418294                                                                                                                                                      |
| Qty.            | 1 items                                                                                                                                                            |
| Delivery status | Discontinued                                                                                                                                                       |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |            |                 |              |
|------------|------------|-----------------|--------------|
| Depth      | 360 mm     | Depth (inches)  | 14.1732 inch |
| Height     | 835 mm     | Height (inches) | 32.874 inch  |
| Width      | 635 mm     | Width (inches)  | 24.9999 inch |
| Net weight | 31949.25 g |                 |              |

## Temperatures

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

## Environmental Product Compliance

|                        |                |
|------------------------|----------------|
| RoHS Compliance Status | Compliant      |
| REACH SVHC             | Lead 7439-92-1 |

## 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 without 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           |
| DC Input + & -                  | Wire connection                    | Type of connection      | M20 Cable gland |
|                                 |                                    | Number of cable entries | 40              |
|                                 | Cable entry                        | Cable diameter, min.    | 6 mm            |
|                                 |                                    | Cable diameter, max.    | 8 mm            |
| Connection DC input cable (+)   | Screw connection                   |                         |                 |
| Fuse type                       | Empty fuse holder                  |                         |                 |
| Position of the fuses           | positive and negative inputs       |                         |                 |
| Type of fuse                    | Empty fuse holder                  |                         |                 |

## DC outputs

|                                  |                             |
|----------------------------------|-----------------------------|
| DC output cable connection       | M12 bolt and nut connection |
| Connection type, DC output cable | Screw terminal connectors   |

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**Technical data**

|                                             |                 |                             |                                      |
|---------------------------------------------|-----------------|-----------------------------|--------------------------------------|
| DC Output + & -                             | Wire connection | Type of connection          | M25 connection, IP67,<br>ø: 13-18 mm |
|                                             |                 | Wire cross-section,<br>min. | 13 mm <sup>2</sup>                   |
|                                             |                 | Wire cross-section,<br>max. | 18 mm <sup>2</sup>                   |
| Number of DC outputs                        | 2               |                             |                                      |
| Load circuit breaker with auxiliary contact | No              |                             |                                      |

**DC string monitoring**

|                     |               |
|---------------------|---------------|
| Monitoring function | Non monitored |
|---------------------|---------------|

**Housing**

|                   |      |
|-------------------|------|
| Protection degree | IP65 |
|-------------------|------|

**Norms and standards**

|           |                                        |
|-----------|----------------------------------------|
| Standards | EN 61439-2:2011, IEC<br>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**

**Combiner Box Name Description**

**PV 2 24 S0 FX CXX VX OX TXPX 15 P F ES**

|                                                                                        |                                      |
|----------------------------------------------------------------------------------------|--------------------------------------|
| <b>PV 1:</b> PV DC L0 Industrial                                                       | <b>Country / Whole World</b>         |
| <b>PV 2:</b> PV DC L1 Industrial                                                       | <b>Floating:</b> YES (F) / NO        |
| <b>PV 3:</b> PV DC L2 Industrial                                                       | <b>P:</b> Portrait                   |
| <b>Number of inputs (01-36)</b>                                                        | <b>L:</b> Landscape                  |
| <b>S0:</b> Switch-disconnector                                                         | <b>10:</b> 1000V                     |
| 01 → Switch-disconnector (SW)                                                          | <b>15:</b> 1500V                     |
| 02 → Switch-disconnector with remote disconnector (SW RC)                              | <b>TX:</b> Monitoring Device         |
| 03 → Moulded Case Circuit Breaker (MCCB)                                               | T1 → No monitoring (N/A)             |
| 04 → Moulded switch-disconnector (SW M)                                                | T2 → TC 24V (24V or 120V)            |
| 05 → Switch-disconnector with Connector (SW K)                                         | T3 → TC 24V/120V                     |
| 06 → No Switch-disconnector needed (N/A)                                               | T4 → TC 24V/120V                     |
| <b>FX:</b> Fuses / Fuseholders position                                                | T5 → TC 24V/120V                     |
| F1 → Fuses both Poles                                                                  | T6 → TC 24V/120V                     |
| F2 → Only Positive Fuse                                                                | T7 → TC 24V/120V                     |
| F3 → Only Negative Fuse                                                                | T8 → TC 24V/120V                     |
| F4 → Only Fuse Holders                                                                 | T9 → Fuse                            |
| F5 → Only Fuse Holder in positive (+)                                                  | T10 → Solar (SW) (SW)                |
| F6 → Only Fuse Holder in negative (-)                                                  | T11 → Solar (SW) (SW)                |
| F7 → No Fuse Holders needed (N/A)                                                      | T12 → Solar (SW) (SW)                |
| <b>CXX:</b> CIL Fuses Type → C 10/15/16/20/25/30/40/50/63/80 - (Example C10)           | <b>PX:</b> Power Supply for (TX)     |
| <b>Box:</b> Box Fuses Type → N 40/50/63/80/100/125/160/200/250/315/400 - (Example N40) | P1 → No Power Supply needed (N/A)    |
| <b>CXX:</b> N/A, N/A → N/A                                                             | P2 → Self-Powered (SW)               |
| <b>VX:</b> SPD Type                                                                    | P3 → External Power Supply (PS ACDC) |
| V0 → SPD Class II / V1 → SPD Class III / V2 → SPD Class I                              | PA → Self-Powered (SW)               |
| VX → No SPD needed (N/A)                                                               |                                      |
| <b>OX:</b> Output type                                                                 |                                      |
| O1 → No fuse holder needed (N/A)                                                       |                                      |
| O2 → Cable Gland                                                                       |                                      |
| O3 → WMC                                                                               |                                      |
| O4 → N/A                                                                               |                                      |
| O5 → Multisig                                                                          |                                      |