

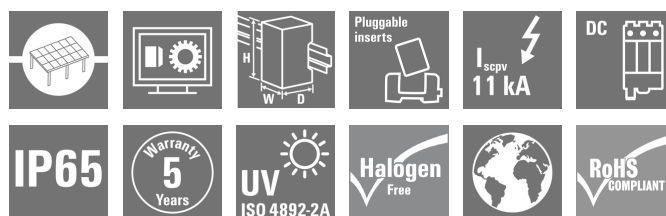
PV 124SXFXCXXV001TXPX15LWW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Standard portfolio for Multi MPPT string inverters**
Protect strings and inverters against overvoltage.

Protecting long cables and string inverter inputs (MPPT's) is crucial for the smooth operation of solar plant installations whether it's a rooftop or utility scale one. For that purpose, Weidmueller has developed a product portfolio with a set of different cabinets which helps to protect the cables and/or the string DC input side of the inverter against potential overvoltages. These solutions allow installers and developers to benefit from Weidmueller's experience in solar PV and its commitment with quality standards. Multi-MMPT

General ordering data

| | |
|------------|--|
| Version | Photovoltaics, Assembled enclosure, Combiner Box, 1500 V, Surge protection II, WM4C, for wall mounting, Landscape, String Inverter, 12 MPP's |
| Order No. | 8000109860 |
| Type | PV 124SXFXCXXV001TXPX15LWW |
| GTIN (EAN) | 4099986666344 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 300 mm | Depth (inches) | 11.811 inch |
| Height | 536 mm | Height (inches) | 21.102 inch |
| Width | 747 mm | Width (inches) | 29.409 inch |
| Net weight | 25,000 g | | |

Temperatures

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

DC electrical properties

| | | | |
|--------------------------|------------------------------------|---------------|---------|
| Earthing | Directly at the VPU | Rated voltage | 1,500 V |
| Surge protection DC side | 1500 V type II with remote contact | | |

DC inputs

| | | | |
|---------------------------------|-----------------------------------|-------------------------|------------------|
| Amount of maximum power points | 12 | | |
| Connection DC input cable (+) | WM4C plug-in connector | | |
| Connection DC input cable (-) | WM4C plug-in connector | | |
| Connection type, DC input cable | WM4C plug-in connector | | |
| 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 | Screw connection |
| Fuse | Neither fuse cartridge nor holder | | |
| Fuse type | Neither fuse cartridge nor holder | | |
| Number of DC inputs | 24 | | |
| Number of conduit inlets | 1 | | |
| Number of inputs | 24 | | |

DC outputs

| | | | |
|----------------------------------|------------------------|----------------------------|------------------------|
| Connection type, DC output cable | WM4C plug-in connector | DC output cable connection | WM4C plug-in connector |
| Number of DC outputs | 24 | | |

DC string monitoring

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

Housing

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

Norms and standards

| | |
|-----------|-------------------------------------|
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 |
|-----------|-------------------------------------|

Guarantee

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

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Technical data

Electrical characteristics

| | |
|------------------|---------|
| Rated DC voltage | 1,500 V |
|------------------|---------|

Enclosure

| | | | |
|------------------------|---|-------------------|-----------------------------------|
| Connection type string | Plug WM4C | Cover | Hinged door |
| Enclosure attachment | Fixing lugs | Impact resistance | IK10 in accordance with IEC 62262 |
| Insulating material | Polyester glass-fibre reinforced, Polycarbonate | Type of mounting | Wall mounting |

General data

| | | | |
|-----------------------|---|-------------------|------|
| Installation location | Protected outdoor area (>1 km from sea) | Protection degree | IP65 |
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 | | |

Surge protection DC side

| | | | |
|--------------------|-------------------------------------|---------------------------------|------------------------------------|
| Requirements class | Type II | Short-circuit current I_{SCP} | 18 A |
| Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 | Surge protection DC side | 1500 V type II with remote contact |

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 |
| ECLASS 14.0 | 22-57-02-92 | | |

Environmental Product Compliance

| | |
|------------------------|-----------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant |

Approvals

Approvals



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

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity Combiner Boxes non monitored |
| Engineering Data | Thermal Report PV 124SFXCXXV001TXPX15LWW |
| Technical Documentation | Electrical Drawing PV 124SFXCXXV001TXPX15LWW Mechanical Drawing PV 124SFXCXXV001TXPX15LWW |
| Catalogues | Catalogues in PDF-format |

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Drawings

