

PV 224SXFXCXXVXO1TA1PA15LWW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Intelligent product in a compact size**

PV retrofit monitoring boxes make it possible to obtain data at string level in PV systems with existing, unmonitored PV-DC generator combiner boxes. All without additional work such as trenching and cabling.

Integrated power monitoring provided by our Solar SMS monitoring system allows to do the right surveillance of the PV site to guarantee the best performance of the system.

Additionally, our PV monitoring boxes fulfill the standard IEC/EN 61439-2:2020 to guarantee a high reliability of the supplied units.

General ordering data

| | |
|------------|--|
| Version | Photovoltaics, 1500 V, Cable gland, for wall mounting, Landscape, Digital signals, Monitoring components, Current monitoring, Voltage monitoring, Temperature monitoring, 24-channel |
| Order No. | 8000135052 |
| Type | PV 224SXFXCXXVXO1TA1PA15LWW |
| GTIN (EAN) | 4099987056243 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------------|-----------------|-------------|
| Depth | 210 mm | Depth (inches) | 8.268 inch |
| Height | 302 mm | Height (inches) | 11.89 inch |
| Width | 558 mm | Width (inches) | 21.968 inch |
| Net weight | 6,966.088 g | | |

DC electrical properties

| | | | |
|---------------|---------|--------------------------|---------------------|
| Rated voltage | 1,500 V | Surge protection DC side | No surge protection |
|---------------|---------|--------------------------|---------------------|

DC inputs

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| Connection DC input cable (+) | WM4 C field connector | Connection DC input cable (-) | WM4 C field connector |
| Fuse | No | Fuse | Neither fuse cartridge nor holder |
| Fuse type | Neither fuse cartridge nor holder | Number of DC inputs | 24 |

DC outputs

| | | | |
|----------------------------------|-----------------------|----------------------------|-----------------------|
| Connection type, DC output cable | WM4 C field connector | DC output cable connection | WM4 C field connector |
| Number of DC outputs | 24 | | |

DC string monitoring

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

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 |
|---------------|---------|

Electrical characteristics

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

Enclosure

| | | | |
|-------------------------------|-----------------------------------|----------------------|---|
| Cover | with cover | Enclosure attachment | Fixing lugs |
| Impact resistance | IK10 in accordance with IEC 62262 | Insulating material | Polyester glass-fibre reinforced, Polycarbonate |
| Switch disconnector execution | no switch | Type of mounting | Wall mounting |

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Technical data

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

| | | | |
|---------------------------------|---------------------|-----------|-------------------------------------|
| Short-circuit current I_{SCP} | 12 A | Standards | IEC 61439-2 ed 3.0, EN 61439-2:2020 |
| Surge protection DC side | No surge protection | | |

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 |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|-------------------------|--|
| Engineering Data | Thermal report |
| Technical Documentation | Mechanical Drawing |
| Catalogues | Catalogues in PDF-format |

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Drawings

