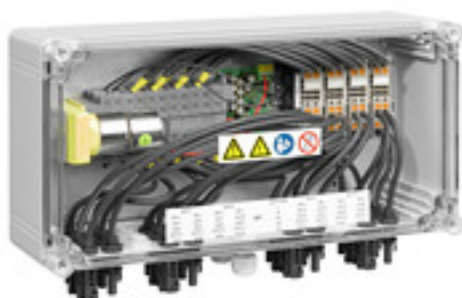


PVC DC 2I 1O 4MPP RD WM4 11**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

| | |
|------------|--|
| Version | Photovoltaics, Fireman's switch, 1100 V, 4 MPP's, 2 Inputs / 1 Output per MPP, Remote disconnect, WM4C |
| Order No. | 8000115472 |
| Type | PVC DC 2I 1O 4MPP RD WM4 11 |
| GTIN (EAN) | 4099986878853 |
| Qty. | 1 pc(s). |

PVC DC 2I 10 4MPP RD WM4 11

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 132 mm | Depth (inches) | 5.197 inch |
| Height | 239 mm | Height (inches) | 9.409 inch |
| Width | 400 mm | Width (inches) | 15.748 inch |
| Net weight | 5,034 g | | |

Temperatures

| | | | |
|---------------------|-----------------|----------|---------------------------|
| Ambient temperature | -20 °C...+50 °C | Humidity | 5...95 %, no condensation |
|---------------------|-----------------|----------|---------------------------|

Approvals and norms

| | |
|-----------|--|
| Approvals | EN 61439-2, IEC 61439-2, OVE-Directive R 11-1:2022-05-01 |
|-----------|--|

Guarantee

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

Electrical characteristics

Current per Maximum Power Point, max. 35 A

| | | |
|-------------------------------------|--------------------------|---------|
| Rated DC current per connection | Current per string, max. | 35 A |
| Rated short-term current resistance | Rated current | 43.75 A |
| Rated DC voltage | 1,100 V | |
| Switching disconnecter capacity | DC-PV1, IEC 60947-3 | |

Enclosure

| | | | |
|------------------------|---|-------------------------------|---|
| Connection type string | Plug WM4C | Enclosure attachment | Via mounting feet |
| Impact resistance | IK08 in accordance with IEC 62208, IK10 in accordance with IEC 62262 | Insulating material | Polyester glass-fibre reinforced, Polycarbonate |
| Protection class | II | Switch disconnecter execution | Remote disconnecter inside enclosure |
| Type of mounting | Fixing lugs | | |

General data

| | | | |
|-----------------------|--|-------------------|------|
| Installation location | Protected outdoor area (Land and Sea) | Protection degree | IP65 |
|-----------------------|--|-------------------|------|

Inputs

| | | | |
|--------------------------------|-----------------------------------|--------------------------------|------------------------|
| Amount of maximum power points | 4 MPP | | |
| DC Input + & - | Wire connection | Type of connection | WM4C plug-in connector |
| | | Compatible cable cross-section | EN 50618:2015 |
| | | Wire cross-section, min. | 4 mm ² |
| | | Wire cross-section, max. | 6 mm ² |
| | Cable entry | Number of cable entries | 8 |
| Fuse type | Neither fuse cartridge nor holder | | |

Creation date July 5, 2024 12:01:48 AM CEST

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Technical data

Max. number of DC inputs per Maximum Power Point 2 inputs connected in parallel

Outputs

| | | | |
|-----------------|-----------------|-------------------------------|------------------------|
| DC Output + & - | Wire connection | Type of connection | WM4C plug-in connector |
| | | Compatible cable crosssection | TÜV 2 Pfg 1169/08.07 |
| | | Wire cross-section, min. | 4 mm ² |
| | | Wire cross-section, max. | 6 mm ² |

Max. number of DC outputs per Maximum Power Point 1 output

Remote disconnecter

| | | | |
|--|---|---|---------------------------|
| Automatic reclosing after voltage drop | Yes | | |
| Number of operating cycles | 10,000 | | |
| Control voltage | 100 V AC - 250 V AC 50/60Hz | | |
| Remote disconnecter auxiliary contact | Cable entry | Number of cable entries | 1 |
| | Wire connection | Type of connection | Screw terminal connectors |
| | | Flexible, max. H05(07) V-K | 1.5 mm ² |
| | | w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm ² |
| Remote disconnecter control contact | Cable entry | Number of cable entries | 1 |
| | Wire connection | Type of connection | Screw terminal connectors |
| | | Flexible, max. H05(07) V-K | 1.5 mm ² |
| | | w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm ² |
| Type of power circuit disconnection | Under voltage tripping or manual switch operation | | |
| Turn-off time | 1.5 s | | |

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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | bdab5698-6a20-4370-8e28-8810d882d01a |

Approvals

Approvals



ROHS

Conform

Creation date July 5, 2024 12:01:48 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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Technical data

Downloads

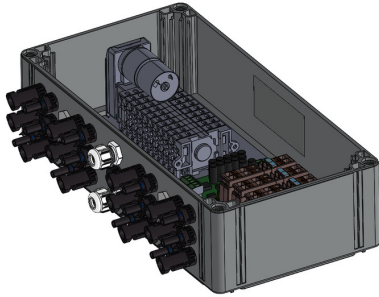
| | |
|---|--|
| Approval/Certificate/Document of Conformity | Declaration of conformity for PV fireman switches |
| Engineering Data | Schematic diagram |
| User Documentation | Manual PV Next String Combiner Box MANUAL PV NEXT IT/ES/FR |
| White paper | Fact Sheet DE PV Feuerweherschalter Fact Sheet EN PV Fireman switch |
| Catalogues | Catalogues in PDF-format |

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Drawings



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www.weidmueller.com**Accessories****PV Sun Covers****General ordering data**

| | | |
|------------|----------------------------|---------------|
| Type | PV SUN COVER 56/30/21 | Version |
| Order No. | 8000087025 | Photovoltaics |
| GTIN (EAN) | 4064675845188 | |
| Qty. | 1 pc(s). | |

Cutting tools

Cutting tools for conductors up to 8 mm, 12 mm, 14 mm and 22 mm outside diameter. The special blade geometry allows pinch-free cutting of copper and aluminium conductors with minimum physical effort. The cutting tools (KT 8 to KT 22) also come with VDE and GS-tested protective insulation up to 1,000 V in accordance with EN/IEC 60900.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | KT 14 | Version |
| Order No. | 1157820000 | Cutting tools, Cutting tool for one-hand operation |
| GTIN (EAN) | 4032248945344 | |
| Qty. | 1 pc(s). | |

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www.weidmueller.com**Accessories****Crosshead screwdriver Phillips**

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|--------------------------|
| Type | SDK PH3 | Version |
| Order No. | 9008500000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056491 | |
| Qty. | 1 pc(s). | |

Y-Connector Cables

The Y or X cable is used to connect three or four elements of a PV system, such as the connection between PV panels, inverters and surge protection boxes. The cables are available in different connection variants.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | PVHYM-M-XXXX6W+15 | Version |
| Order No. | 2877850000 | Photovoltaics, Y-Connector Cable, 1x WM4 C Female, 2x MC4 Male, |
| GTIN (EAN) | 4064675666417 | 6mm², 1500 V |
| Qty. | 1 pc(s). | |
| Type | PVHYM+M-XXXX6W-15 | Version |
| Order No. | 2877860000 | Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 2x MC4 Female, |
| GTIN (EAN) | 4064675666424 | 6mm², 1500 V |
| Qty. | 1 pc(s). | |

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Accessories

PV-Stick field connectors



Faster is better. This also applies to the cabling of solar systems. Our handy connectors stay firmly in your grip even in frosty temperatures and can be installed very quickly and easily without a crimping tool.

You don't need crimp contacts and crimping tools and you avoid assembly errors. This saves up to 50% installation time – without affecting quality. The new photovoltaic connectors are TÜV-approved and comply with IEC 62852.

Our "SNAP IN" technology enables safe connections with minimal effort – insert, turn: current!

- 1.500 V DC (DE) / 1,500 V DC (EN)
- SNAP IN technology
- Standard-compliant quality in accordance with IEC 62852
- Ergonomic, prize-winning design
- Fastest PV connector currently available
- Reliable latching

General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | PV-STICK+ VPE10 | Version |
| Order No. | 1303450000 | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4050118102468 | |
| Qty. | 10 pc(s). | |
| Type | PV-STICK- VPE10 | Version |
| Order No. | 1303490000 | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4050118102529 | |
| Qty. | 10 pc(s). | |

UV-resistant cable ties



UV-resistant polyamide 6.6 ensures long durability of our special cable ties even with strong UV radiation. Ideal for continuous outdoor use.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | CB-UVR 290/4,5 BK | Version |
| Order No. | 2659350000 | Cable ties, 4.5 x 290 mm, Polyamide 66, 220 N |
| GTIN (EAN) | 4050118682816 | |
| Qty. | 100 pc(s). | |

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Accessories

Tools

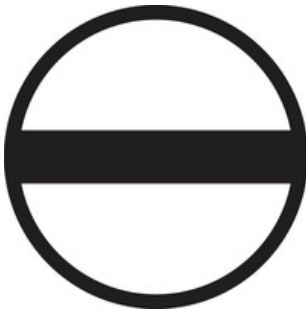


- For flexible and solid conductors with special insulating materials
- High-quality stripping for industrial applications (complies with aircraft industry requirements)
- Specially shaped blades enable stripping of special types of insulation and conductor configurations
- Stripping length adjustable via end stop
- Very versatile thanks to interchangeable stripping units
- Stripping results reproduced accurately over and over again
- No damage to the conductor
- A long-lasting, reliable tool thanks to its sturdy design
- Integrated cutting function

General ordering data

| | | |
|------------|----------------------------|----------------------------------|
| Type | MULTI-STRIPAX PV | Version |
| Order No. | 1190490000 | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4032248973262 | |
| Qty. | 1 pc(s). | |

Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|--------------------------|
| Type | SDS 1.0X5.5X150 | Version |
| Order No. | 9008350000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056316 | |
| Qty. | 1 pc(s). | |

| | | |
|------------|----------------------------|--------------------------|
| Type | SDS 0.6X3.5X100 | Version |
| Order No. | 9008330000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286 | |
| Qty. | 1 pc(s). | |

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www.weidmueller.com**Accessories****Accessories**

The dust protection cap "Dustcap VSSO" protects the Weidmüller and type 4 solar connectors against dust and dirt.

The "SafetyClip" protects the Weidmüller solar connectors against unintentional opening and can only be released using the special multi-tool.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | VSSO WM4 C | Version |
| Order No. | 1254870000 | Photovoltaics, Flat design |
| GTIN (EAN) | 4050118047479 | |
| Qty. | 100 pc(s). | |