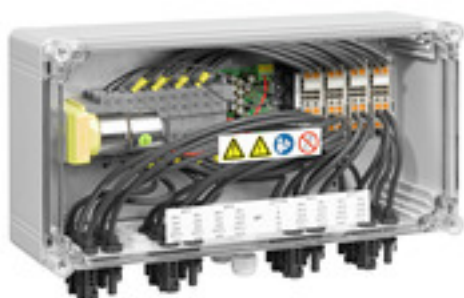


**PVC DC 2I 1O 4MPP RD WM4 11****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**For safe remote shutdown**

Rooftop photovoltaic systems can require a disconnection device at the point where the cables enter into the building, that is connected to the power grid in the building. This allows the fire brigade to carry out their work in an emergency without being unnecessarily endangered. When the power supply is restored, the PV Next Fireman Switch automatically reconnects the PV strings.

**General ordering data**

|            |                                                                                                                                 |
|------------|---------------------------------------------------------------------------------------------------------------------------------|
| Version    | Photovoltaics, Combiner Box, Fireman's switch, PV Next, 1100 V, 4 MPP's, 2 Inputs / 1 Output per MPP, Remote disconnecter, WM4C |
| Order No.  | <a href="#">8000115472</a>                                                                                                      |
| Type       | PVC DC 2I 1O 4MPP RD WM4 11                                                                                                     |
| GTIN (EAN) | 4099986878853                                                                                                                   |
| Qty.       | 1 pc(s).                                                                                                                        |

## PVC DC 2I 10 4MPP RD WM4 11

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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 | 4,181.371 g |                 |             |

## Temperatures

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

## Approvals and norms

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

## Guarantee

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

## Electrical characteristics

Current per Maximum Power Point, max. 35 A

|                  |         |
|------------------|---------|
| Rated DC voltage | 1,100 V |
|------------------|---------|

|                                     |               |         |
|-------------------------------------|---------------|---------|
| Rated short-term current resistance | Rated current | 43.75 A |
|-------------------------------------|---------------|---------|

## Enclosure

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

## General data

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

## Inputs

|                                      |   |
|--------------------------------------|---|
| Amount of maximum power points (MPP) | 4 |
|--------------------------------------|---|

|                |                 |                                |                        |
|----------------|-----------------|--------------------------------|------------------------|
| DC Input + & - | Wire connection | Type of connection             | WM4C plug-in connector |
|                |                 | Compatible cable cross-section | EN 50618:2015          |
|                |                 | Wire cross-section, min.       | 4 mm <sup>2</sup>      |
|                |                 | Wire cross-section, max.       | 6 mm <sup>2</sup>      |
|                | Cable entry     | Number of cable entries        | 8                      |

|           |                                   |
|-----------|-----------------------------------|
| Fuse type | Neither fuse cartridge nor holder |
|-----------|-----------------------------------|

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

|                          |   |
|--------------------------|---|
| Number of conduit inlets | 3 |
|--------------------------|---|

|                                 |     |
|---------------------------------|-----|
| Number of string inputs per MPP | ≤ 2 |
|---------------------------------|-----|

Creation date May 11, 2025 11:05:14 PM CEST

## PVC DC 2I 10 4MPP RD WM4 11

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

Number of inputs 8

## Outputs

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

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 en-tries                                                                                                       | 1                          |
|                                                      | Wire connection                      | Type of connection                                                                                                             | Screw terminal connec-tors |
|                                                      |                                      | Flexible, max. H05(07) V-K                                                                                                     | 1.5 mm <sup>2</sup>        |
|                                                      |                                      | w. wire end ferrule, DIN 46228 pt 1, max.                                                                                      | 1.5 mm <sup>2</sup>        |
| Remote disconnecter control contact                  | Cable entry                          | Number of cable en-tries                                                                                                       | 1                          |
|                                                      | Wire connection                      | Type of connection                                                                                                             | Screw terminal connec-tors |
|                                                      |                                      | Flexible, max. H05(07) V-K                                                                                                     | 1.5 mm <sup>2</sup>        |
|                                                      |                                      | w. wire end ferrule, DIN 46228 pt 1, max.                                                                                      | 1.5 mm <sup>2</sup>        |
| Type of power circuit disconnection                  | Under voltage tripping               |                                                                                                                                |                            |
| Turn-off time                                        | 1.5 s                                |                                                                                                                                |                            |
| Current consumption of switch                        | Type of switch                       | Fireman switch                                                                                                                 |                            |
|                                                      | Current consumption, note            | The Peak current only arises for a short time when the capacitors of the fireman switch were previously completely discharged. |                            |
|                                                      | Current consumption peak             | 300 mA                                                                                                                         |                            |
|                                                      | Current consumption continuous       | 30 mA                                                                                                                          |                            |
| Number of breaking operation cycles at rated current | 300                                  |                                                                                                                                |                            |
| Switch disconnecter execution                        | Remote disconnecter inside enclosure |                                                                                                                                |                            |
| Switching disconnecter capacity                      | DC-PV1, IEC 60947-3                  |                                                                                                                                |                            |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002928    | ETIM 7.0    | EC002928    |
| ETIM 8.0    | EC003857    | ETIM 9.0    | EC003857    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 22-57-02-92 |             |             |

**PVC DC 2I 10 4MPP RD WM4 11****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | bdab5698-6a20-4370-8e28-8810d882d01a |

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

**Downloads**

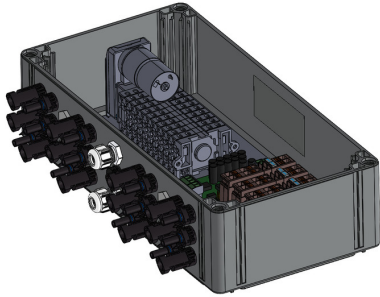
|                                             |                                                                                                                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of conformity for PV fireman switches</a>                                                   |
| Engineering Data                            | <a href="#">Schematic diagram</a><br><a href="#">CAD data – STEP</a><br><a href="#">PVC DC 2I 10 4MPP RD WM4 11</a> |
| User Documentation                          | <a href="#">MANUAL PV NEXT IT/ES/FR</a><br><a href="#">MANUAL PV NEXT RD DE/EN</a>                                  |
| White paper                                 | <a href="#">Fact Sheet DE PV Feuerwehrscharter</a><br><a href="#">Fact Sheet EN PV Fireman switch</a>               |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                            |

### PVC DC 2I 10 4MPP RD WM4 11

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

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

## Drawings



## PVC DC 2I 10 4MPP RD WM4 11

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

### 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.  | <a href="#">2659350000</a> | Cable ties, 4,5 x 290 mm, Polyamide 66, 220 N |
| GTIN (EAN) | 4050118682816              |                                               |
| Qty.       | 100 pc(s).                 |                                               |

### 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.  | <a href="#">1303450000</a> | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4050118102468              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

|            |                            |                                  |
|------------|----------------------------|----------------------------------|
| Type       | PV-STICK- VPE10            | Version                          |
| Order No.  | <a href="#">1303490000</a> | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4050118102529              |                                  |
| Qty.       | 10 pc(s).                  |                                  |

**PVC DC 2I 10 4MPP RD WM4 11****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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.  | <a href="#">1190490000</a> | Photovoltaics, Plug-in connector |
| GTIN (EAN) | 4032248973262              |                                  |
| Qty.       | 1 pc(s).                   |                                  |

**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.  | <a href="#">9008500000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056491              |                          |
| Qty.       | 1 pc(s).                   |                          |

## PVC DC 2I 10 4MPP RD WM4 11

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Emergency stop button



## General ordering data

|            |                            |               |
|------------|----------------------------|---------------|
| Type       | AC SB E 5A 1POL PO 06KV    | Version       |
| Order No.  | <a href="#">3077660000</a> | Photovoltaics |
| GTIN (EAN) | 4099987081887              |               |
| 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.  | <a href="#">1157820000</a> | Cutting tools, Cutting tool for one-hand operation |
| GTIN (EAN) | 4032248945344              |                                                    |
| Qty.       | 1 pc(s).                   |                                                    |



## PVC DC 2I 10 4MPP RD WM4 11

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

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

## Accessories

## Sealing sets



## General ordering data

|            |                            |                                                               |
|------------|----------------------------|---------------------------------------------------------------|
| Type       | BLINDPLUG SET50 7X28MM     | Version                                                       |
| Order No.  | <a href="#">3077650000</a> | Photovoltaics, Blind plug, Accessories, Blind plug, 50 pieces |
| GTIN (EAN) | 4099987081870              |                                                               |
| Qty.       | 1 pc(s).                   |                                                               |
| Type       | BLINDPLUG SET5 7X28MM      | Version                                                       |
| Order No.  | <a href="#">3077670000</a> | Photovoltaics, Blind plug                                     |
| GTIN (EAN) | 4099987081894              |                                                               |
| Qty.       | 1 pc(s).                   |                                                               |

## Y-Connector Cables



The Y cable is used for the parallel connection of several strings in a PV system, e.g. for splitting a line in front of an inverter.  
 The cables are available in different connection variants.

## General ordering data

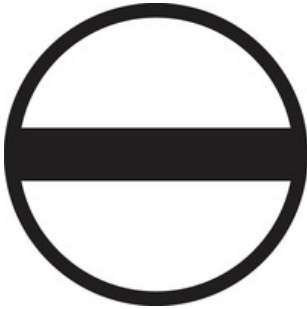
|            |                            |                                                             |
|------------|----------------------------|-------------------------------------------------------------|
| Type       | PVHYW-XXW+XX06W+15         | Version                                                     |
| Order No.  | <a href="#">2814180000</a> | Photovoltaics, Y-Connector Cable, 1x WM4 C Male, 2x WM4 C   |
| GTIN (EAN) | 4064675298861              | Female, 6mm <sup>2</sup> , 1500 V                           |
| Qty.       | 1 pc(s).                   |                                                             |
| Type       | PVHYW-XXW-XX06W-15         | Version                                                     |
| Order No.  | <a href="#">2814190000</a> | Photovoltaics, Y-Connector Cable, 1x WM4 C Female, 2x WM4 C |
| GTIN (EAN) | 4064675298878              | Male, 6mm <sup>2</sup> , 1500 V                             |
| Qty.       | 1 pc(s).                   |                                                             |

**PVC DC 2I 10 4MPP RD WM4 11****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.  | <a href="#">9008350000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056316              |                          |
| Qty.       | 1 pc(s).                   |                          |
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 pc(s).                   |                          |

**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.  | <a href="#">1254870000</a> | Photovoltaics, Flat design |
| GTIN (EAN) | 4050118047479              |                            |
| Qty.       | 100 pc(s).                 |                            |