

**PRO DM 10****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Use our diode and redundancy modules to connect two power supplies and compensate for a device failing. In addition, our capacity module offers power reserves, guaranteeing purposeful and quick triggering of a circuit breaker, for example.

**General ordering data**

|            |                            |
|------------|----------------------------|
| Version    | Diode module, 24 V DC      |
| Order No.  | <a href="#">2486070000</a> |
| Type       | PRO DM 10                  |
| GTIN (EAN) | 4050118496772              |
| Qty.       | 1 pc(s).                   |

Creation date January 22, 2022 2:13:15 PM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 125 mm | Depth (inches)  | 4.921 inch |
| Height     | 125 mm | Height (inches) | 4.921 inch |
| Width      | 32 mm  | Width (inches)  | 1.26 inch  |
| Net weight | 501 g  |                 |            |

## Temperatures

|                     |  |                       |                |
|---------------------|--|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C   | Operating temperature | -40 °C...70 °C |
| Humidity            | 5-95% relative humidity,<br>T <sub>u</sub> = 40°C, without<br>condensation |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Input

|                           |  |                        |             |
|---------------------------|--|------------------------|-------------|
| Connection system         | Screw connection   | DC input voltage range | 0...60 V DC |
| Input current             | 2 × 12 A (-40 °C ~ +45 °C), 2 × 10 A (+45 °C ~ +60 °C), 2 × 7.5 A (+70 °C) | Input fuse (internal)  | No          |
| Nominal power consumption | 240 VA   | Rated input voltage    | 24 V DC     |

## Output

|                      |                                |                                    |                                      |
|----------------------|--------------------------------|------------------------------------|--------------------------------------|
| Connection system    | Screw connection               | Output current, max.               | 10 A                                 |
| Output power         | 466 W                          | Protection against inverse voltage | Yes                                  |
| Rated output voltage | V <sub>INPUT</sub> -typ. 0.7 V | Residual ripple, breaking spikes   | Dependent on the power supplies used |

## General data

|  |   |                        |  |
|--|---|------------------------|--|
| Degree of efficiency                   | > 97% @ 24 V Input voltage  | Derating               | > 60°C / 75% load @ 70°C   |
| Housing version                        | Metal, corrosion resistant  | Humidity               | 5-95% relative humidity,<br>T <sub>u</sub> = 40°C, without<br>condensation |
| Mounting position, installation notice | Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between. | Operating temperature  | -40 °C...70 °C   |
| Short-circuit protection               | No  | Surge voltage category | III  |

## EMC / shock / vibration

|                                    |   |                                 |                        |
|------------------------------------|---|---------------------------------|------------------------|
| Interference immunity test acc. to | EN 55022, EN 55024, EN 61000-3-2,-3, EN 61000-4-2 (ESD) EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted) | Shock resistance IEC 60068-2-27 | 30 g in all directions |
| Vibration resistance IEC 60068-2-6 | 2.3 g (on DIN rail)   |                                 |                        |

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2

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## Technical data

## Insulation coordination

|                        |     |                  |  |
|------------------------|-----|------------------|--|
| Pollution severity     | 2   | Protection class | III, with no ground connection, for SELV |
| Surge voltage category | III |                  |  |

## Electrical safety (applied standards)

|   |                                    |                                   |                           |
|---|------------------------------------|-----------------------------------|---------------------------|
| Electrical machine equipment                                | Acc. to EN60204                    | For use with electronic equipment | Acc. to EN50178 / VDE0160 |
| Protective separation / protection against electrical shock | VDE0100-410 / acc. to DIN57100-410 |                                   |                           |

## Connection data (input)

|   |                      |   |                   |
|---|----------------------|---|-------------------|
| Conductor cross-section, AWG/kcmil , max.             | 10                   | Conductor cross-section, AWG/kcmil , min. | 26                |
| Conductor cross-section, flexible , min.              | 0.22 mm <sup>2</sup> | Conductor cross-section, rigid , max.     | 6 mm <sup>2</sup> |
| Conductor cross-section, rigid , min.                 | 0.18 mm <sup>2</sup> | Connection system                         | Screw connection  |
| Wire connection cross section, flexible (input), max. | 4 mm <sup>2</sup>    |   |                   |

## Connection data (output)

|   |                   |   |                      |
|---|-------------------|---|----------------------|
| Conductor cross-section, AWG/kcmil , max. | 10                | Conductor cross-section, AWG/kcmil , min. | 26                   |
| Conductor cross-section, flexible , max.  | 6 mm <sup>2</sup> | Conductor cross-section, flexible , min.  | 0.22 mm <sup>2</sup> |
| Conductor cross-section, rigid , max.     | 6 mm <sup>2</sup> | Conductor cross-section, rigid , min.     | 0.18 mm <sup>2</sup> |
| Connection system                         | Screw connection  | Number of terminals                       | 4 ( ++ / - )         |

## Approvals

|                         |         |                   |       |
|-------------------------|---------|-------------------|-------|
| Certificate no. (cULus) | E258476 | Institute (cULus) | CULUS |
|-------------------------|---------|-------------------|-------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002540    | ETIM 7.0    | EC002540    |
| ETIM 8.0    | EC002540    | ECLASS 9.0  | 27-04-07-01 |
| ECLASS 9.1  | 27-04-07-01 | ECLASS 10.0 | 27-04-07-01 |
| ECLASS 11.0 | 27-04-07-90 |             |             |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E258476 |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Downloads**

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>           |
| User Documentation                          | <a href="#">Operating instructions</a>    |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

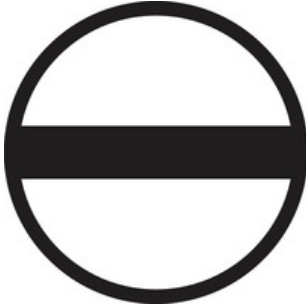
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## Accessories

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | SDIS SL 0.6X3.5X100        | Version                    |
| Order No.  | <a href="#">1274660000</a> | Screwdriver, Mounting tool |
| GTIN (EAN) | 4050118072631              |                            |
| Qty.       | 1 pc(s).                   |                            |

## Crosshead screwdriver, Pozidrive



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | SDIK PZ1 SL                | Version                    |
| Order No.  | <a href="#">1274730000</a> | Screwdriver, Mounting tool |
| GTIN (EAN) | 4050118073225              |                            |
| Qty.       | 1 pc(s).                   |                            |

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**Accessories**

**W-Series**



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | WEW 35/2 V0 GF SW          | Version               |
| Order No.  | <a href="#">1479000000</a> | W-Series, End bracket |
| GTIN (EAN) | 4050118286779              |                       |
| Qty.       | 100 pc(s).                 |                       |
| Type       | WEW 35/1 V0 GF SW          | Version               |
| Order No.  | <a href="#">1478990000</a> | W-Series, End bracket |
| GTIN (EAN) | 4050118286892              |                       |
| Qty.       | 50 pc(s).                  |                       |