

**PRO PM 100W 24V 4.5A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Due to the wide range of variants with output voltages of 5, 12, 24, and 48 V and extensive international approvals, they are suitable for use in many applications. The power range extends from 35 W to 350 W. The individual adaptability makes PRO-PM the right choice for many standard machines.

**General ordering data**

|            |                                             |
|------------|---------------------------------------------|
| Version    | Power supply, switch-mode power supply unit |
| Order No.  | <a href="#">2660200286</a>                  |
| Type       | PRO PM 100W 24V 4.5A                        |
| GTIN (EAN) | 4050118767100                               |
| Qty.       | 1 items                                     |

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## Technical data

## Approvals

Approvals



ROHS

Conform

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 129 mm | Depth (inches)  | 5.0787 inch |
| Height     | 30 mm  | Height (inches) | 1.1811 inch |
| Width      | 97 mm  | Width (inches)  | 3.8189 inch |
| Net weight | 330 g  |                 |             |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -20 °C...70 °C |
| Humidity            | 5...95 % RH    |                       |                |

## Environmental Product Compliance

|                                      |                                         |
|--------------------------------------|-----------------------------------------|
| RoHS Compliance Status               | Compliant with exemption                |
| RoHS Exemption (if applicable/known) | 6c, 7a, 7cl                             |
| REACH SVHC                           | Lead 7439-92-1, Lead monoxide 1317-36-8 |
| SCIP                                 | 015c3a09-4dd7-4b84-85e2-16a46fa4e79a    |

## Input

|                                                      |                                         |       |
|------------------------------------------------------|-----------------------------------------|-------|
| Connection system                                    | Screw connection                        |       |
| AC input voltage range                               | 90...264 V AC                           |       |
| Recommended back-up fuse                             | 4 A at 230 V AC, characteristic curve C |       |
| Frequency range AC                                   | 47...63 Hz                              |       |
| Rated input voltage                                  | 100...240 V AC                          |       |
| Inrush current                                       | max. 45 A                               |       |
| Current consumption in relation to the input voltage | Voltage type                            | AC    |
|                                                      | Input voltage                           | 230 V |
|                                                      | Input current                           | 1.5 A |
|                                                      | Voltage type                            | AC    |
|                                                      | Input voltage                           | 115 V |
|                                                      | Input current                           | 2.5 A |
| Nominal power consumption                            | 116.3 VA                                |       |

## Output

|                                  |                                                                       |                                |                        |
|----------------------------------|-----------------------------------------------------------------------|--------------------------------|------------------------|
| Output power                     | 100 W                                                                 | Mains failure bridge-over time | 20 ms                  |
| Connection system                | Screw connection                                                      | Rated output voltage           | 24 V DC                |
| Residual ripple, breaking spikes | <100 mVPP                                                             | Parallel connection option     | Yes, with diode module |
| Overload protection              | 120%...180% Inominal, hiccup mode with automatic recovery             | Surge protection               | 28...32 V @ 24 V DC    |
| Output voltage, note             | ± 10% nominal output voltage tolerance, adjustable with potentiometer | Rated current                  | 4.5 A                  |

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## General data

|                                        |                        |                   |                   |
|----------------------------------------|------------------------|-------------------|-------------------|
| Degree of efficiency                   | 86%                    | Humidity          | 5...95 % RH       |
| Protection degree                      | IP20                   | Status indication | LED green: ready  |
| Mounting position, installation notice | Panel mount, screw fix | Derating          | > 50°C (2% / 1°C) |
| Short-circuit protection               | Yes                    |                   |                   |

## EMC / shock / vibration

|                                    |                                                                                                                                                                              |                                           |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------|
| Shock resistance IEC 60068-2-27    | 30 g in all directions                                                                                                                                                       | Noise emission in accordance with EN55032 | Class B                                                                            |
| Interference immunity test acc. to | Burst: EN 61000-4-4 /<br>ESD EN 61000-4-2,<br>EN61000-4-3 (HF field),<br>EN 61000-4-5 (surge), EN<br>61000-4-6 (conducted),<br>EN61000-4-8 (Fields), EN<br>61000-4-11 (Dips) | Vibration resistance IEC 60068-2-6        | 10...500 Hz, constant<br>acceleration 5 g, 10<br>minutes/cycle, 60<br>minutes/axis |

## Insulation coordination

|                                   |        |                                  |      |
|-----------------------------------|--------|----------------------------------|------|
| Insulation voltage, input/output  | 3 kV   | Insulation voltage input / earth | 2 kV |
| Insulation voltage output / earth | 0.5 kV |                                  |      |

## Electrical safety (applied standards)

|                          |                                                              |  |  |
|--------------------------|--------------------------------------------------------------|--|--|
| Safety extra-low voltage | SELV acc. to IEC 60950-1,<br>PELV according to EN<br>60204-1 |  |  |
|--------------------------|--------------------------------------------------------------|--|--|

## Connection data (input)

|                                           |                      |                                           |                   |
|-------------------------------------------|----------------------|-------------------------------------------|-------------------|
| Connection system                         | Screw connection     | Conductor cross-section, AWG/kcmil , max. | 12 AWG            |
| Conductor cross-section, AWG/kcmil , min. | 21 AWG               | Conductor cross-section, rigid , max.     | 4 mm <sup>2</sup> |
| Conductor cross-section, rigid , min.     | 0.34 mm <sup>2</sup> |                                           |                   |

## Connection data (output)

|                                           |                      |                                           |                   |
|-------------------------------------------|----------------------|-------------------------------------------|-------------------|
| Connection system                         | Screw connection     | Conductor cross-section, AWG/kcmil , max. | 12 AWG            |
| Conductor cross-section, AWG/kcmil , min. | 21 AWG               | Conductor cross-section, rigid , max.     | 4 mm <sup>2</sup> |
| Conductor cross-section, rigid , min.     | 0.34 mm <sup>2</sup> |                                           |                   |

## Signalling

|                   |                  |  |  |
|-------------------|------------------|--|--|
| Status indication | LED green: ready |  |  |
|-------------------|------------------|--|--|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002540    | ETIM 9.0    | EC002540    |
| ETIM 10.0   | EC002540    | ECLASS 14.0 | 27-04-07-01 |
| ECLASS 15.0 | 27-04-07-01 |             |             |