

PRO PM 100W 12V 8.5A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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. | 2660200285 |
| Type | PRO PM 100W 12V 8.5A |
| GTIN (EAN) | 4050118767094 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 129 mm | Depth (inches) | 5.079 inch |
| Height | 30 mm | Height (inches) | 1.181 inch |
| Width | 97 mm | Width (inches) | 3.819 inch |
| Net weight | 330 g | | |

Temperatures

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

Input

| | | | |
|--|---|-------|--|
| AC input voltage range | 90...264 V AC | | |
| Connection system | Screw connection | | |
| 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 | |
| Frequency range AC | 47...63 Hz | | |
| Inrush current | max. 45 A | | |
| Nominal power consumption | 119 VA | | |
| Rated input voltage | 100...240 V AC | | |
| Recommended back-up fuse | 4 A at 230 V AC, characteristic curve C | | |

Output

| | | | |
|----------------------------------|--|--------------------------------|---|
| Connection system | Screw connection | Mains failure bridge-over time | 20 ms |
| Output power | | Output voltage, note | ± 10% nominal output voltage tolerance, adjustable with potentiometer |
| | 100 W | | |
| Overload protection | 120%...180% I _{nominal} , hiccup mode with automatic recovery | Parallel connection option | Yes, with diode module |
| Rated current | 8.5 A | Rated output voltage | 12 V DC |
| Residual ripple, breaking spikes | < 100 mV _{pp} | Surge protection | 13.5...16.2 V @ 12 V DC |

General data

| | | | |
|----------------------|------------------|--|------------------------|
| Degree of efficiency | 84% | Derating | > 50°C (2% / 1°C) |
| Humidity | 5...95 % RH | Mounting position, installation notice | Panel mount, screw fix |
| Protection degree | IP20 | Short-circuit protection | Yes |
| Status indication | LED green: ready | | |

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EMC / shock / vibration

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

Insulation coordination

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

Electrical safety (applied standards)

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

Connection data (input)

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

Connection data (output)

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

Signalling

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002540 | ETIM 7.0 | EC002540 |
| ETIM 8.0 | EC002540 | ETIM 9.0 | 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 | 27-04-07-01 |
| ECLASS 12.0 | 27-04-07-01 | ECLASS 13.0 | 27-04-07-01 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 Lead oxide 1317-36-8 |
| SCIP | 015c3a09-4dd7-4b84-85e2-16a46fa4e79a |

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Technical data

Approvals

Approvals



ROHS

Conform

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Approval/Certificate/Document of Conformity [PRO PM 100W UL 62368.pdf](#)
[Declaration of Conformity](#)

Engineering Data [CAD data – STEP](#)

User Documentation [Instruction sheet](#)

Catalogues [Catalogues in PDF-format](#)