

Data sheet:

## Power supply for DIN rail, 48V / 0.83A DC



Article no.: 11089

**EUR 55.00**

Net price for commercial users








### Compact 48V DIN rail power supply

Power supply with wide-range input 100...240V incl. CE Marking and UL approval

#### Properties

##### General information:

- High efficiency: typ. 88%
- Limited Power Source (LPS)
- Generous operating temperature range: -20..+70 degrees Celsius
- Compact DIN rail housing: 40 x 90 x 100 mm

##### Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3



Wish for something!

[Your suggestions for improvement and additions](#)

#### Technical data

Output power: max. 40W

Efficiency: typ. 88%

Input voltage: 85..264VAC, 120..370VDC

Frequency: 47..63 Hz

Input current: 0.7A at 230V AC

Inrush: max. 60A at 230V AC

No-load losses: &lt;0.75W

LPS: Yes

Output voltage: 48V DC (adjustable 48..56V)

Tolerance: +/-1%

Ripple: max. 200mV

Rated current: 0.83A

Minimum load: none

Overcurrent limiter: at 105%..150% of rated current

Short circuit protected: Yes

Overvoltage protection: Shutdown at 57.6..64.8V  
Reset using POWER ON

Start time: 500ms at rated load and 230V AC

Rise time: 30ms at nominal load and 230V AC

Voltage bridging: 50ms at rated load and 230V AC

Cooling: Convection cooling

Dielectric strength: In-Out: 3KV AC

Isolation resistance: In-Out: 100 MOhm at 500VDC

Operating temperature: -20..70°C, reduction factor  
between 60..70°C

Storage temperature: -40..85°C

Relative humidity: Operating: 20..90% relative humidity  
Storage: 10..95% relative humidity  
(non-condensing)

Connections: 3-pin input, 4-pin output  
with screw terminals

MTBF: >301,700 hours (per MIL-HDBK-217F at 25° C)

Merchandise: 2-year manufacturer's guarantee

Weight: 300 g

Dimensions: 40 x 90 x 100 mm

Approvals: UL, c-UL, TÜV, CB, CE

Safety: Meets  
UL 60950-1 / EN 60950-1  
EN 62368-1

EMC: Meets  
EN 55022 B  
EN 61000-3-2, EN 61000-3-3  
EN 61000-4-2, EN 61000-4-3  
EN 61000-4-4, EN 61000-4-5  
EN 61000-4-6, EN 61000-4-8  
EN 61000-4-11, ENV 50204  
EN 61204-3, EN 61000-6-1

Manufacturer: MEAN WELL Enterprises Co., Ltd.

Power supply type: MDR-40-48



[We are available to you in person:](#)

Wiesemann & Theis GmbH  
Porschestra. 12  
42279 Wuppertal  
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)  
Fax: +49 202/2680-265  
[info@wut.de](mailto:info@wut.de)

© Wiesemann & Theis GmbH, subject to mistakes and changes: Since we can make mistakes, none of our statements should be applied without verification. Please let us know of any errors or misunderstandings you find so that we can become aware of and eliminate them.

[Data Privacy](#)