

Data sheet:

24V / 24W power supply for DIN rail mounting



Article no.: 11084

This article has been replaced by the successor model
 24V / 15W power supply for DIN rail mount or
 24V / 60W power supply for DIN rail mount respectively.

DIN rail mount power supply, 24 Watt

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

Properties

General information:

- High efficiency: typ. 84%
- Limited Power Source (LPS)
- Generous operating temperature range: -20..+70 degrees Celsius
- Compact DIN rail housing: 22.5 x 90 x 100 mm
- Conforms to standards both in office and industrial environments:
 - Increased noise immunity for industrial areas
 - Stricter noise emission for residential and commercial areas

♥ Wish for something!
 Your suggestions for improvement and additions

Background information:

W&T Interfaces or Com-Servers are frequently used with a 24V power supply in large numbers at a central location. In such cases a common supply for the interfaces makes the application significantly clearer than would be the case when powering the devices with individual dedicated power supplies.

If there is no 24V power supply already in the installation, this problem can be elegantly and cost-effectively solved using the 24W DIN rail power supply model 11084, which is capable of powering multiple interfaces or COM servers all at once.

The power supply can of course also be used where in addition to the 24V supply for the W&T Interface you also need power for the rest of the installation. In this case you simply need to ensure that the power consumed does not exceed the rated power of the DIN rail power supply.

Thanks to the generous operating temperature range, the DIN rail mount power supply is also ideal for applications where the standard plug-in power supply provided with the Interfaces cannot be used due to the expected high ambient temperatures.

Technical data

Output power:	max. 24W
Efficiency:	typ. 84%
Input voltage:	85..264VAC, 120..370VDC
Frequency:	47..63 Hz
Input current:	0.35A at 230 V AC
Inrush:	max. 40A at 230V AC

No-load losses: <0.75W
LPS: Yes

Output voltage: 24V DC (adjustable 21.6..26.4V)
Tolerance: +/-1%
Ripple: max. 150mV
Rated current: 1.0A
Minimum load: none

Overcurrent limiter: at 105%...160% of the nominal current
Short circuit protected: Yes
Overvoltage protection: Shutdown at 27.6..32.4V
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 50..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, 2-pin output
with screw terminals
MTBF: >236,900 hours (per MIL-HDBK-217F at 25° C)

Weight: 190 g
Dimensions: 22.5 x 90 x 100 mm

Approvals: UL, c-UL, TÜV, CB, CE
Safety: Meets
UL 60950-1 / EN60950-1
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



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