

Data sheet:

Power supply for DIN rail, 24V / 4.2A DC



Article no.: 11077

This article has been replaced by the successor model [11079](#) with LPS characteristics.

Versatile DIN rail power supply

100 Watt power supply with wide-range input 100..240V and high efficiency of typ. 89%

Properties

General information

- Compact DIN rail housing: 100 x 93 x 56 mm
- Standards-conformal for both 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 large 24V power supply in the installation, this problem can be solved elegantly and cost-effectively using the Model 11077 100W DIN rail power supply, which is capable of powering multiple interfaces or Com-Servers.

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. 100.8W
 Efficiency: typ. 89%

Input voltage: 88..264VAC, 124..370VDC
 Frequency: 47..63 Hz
 Input current: 1.6A at 230V AC
 Inrush: max. 45A at 230V AC
 No-load losses: <1W

Output voltage: 24V DC (settable 24..29V)
 Tolerance: +/-1%
 Ripple: max. 150mV
 Rated current: 4.2A
 Minimum load: none

Overcurrent limiter: at 105%..135% of rated current
 Short circuit protected: Yes

Overvoltage protection: Shutdown at 30..35V
Reset using POWER ON

Start time: 2700ms at rated load the 230V AC
Rise time: 80ms at rated 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..60°C, power derating
over 45..60°C
Storage temperature: -40..85°C
Relative humidity: Operating: 20..90% relative humidity
Storage: 10..95% relative humidity
(non-condensing)

Connections: 2-pin input, 4-pin output
with screw terminals
MTBF: >486,000 hours (per MIL-HDBK-217F at 25° C)
Merchandise: 2-year manufacturer's guarantee

Weight: 300 g
Dimensions: 100 x 93 x 56 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 61000-6-2



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