Data sheet:

Power supply for DIN rail, 24V/2.5A DC

Article no.: 11076

This power supply has been replaced by the successor model 11079.

60W power supply

Versatile DIN rail power supply with wide-range input 100..240V

Properties

- High efficiency: typ. 84%
- Large operating temperature rnage: -20..+60 degrees Celsius
- Compact DIN rail housing: 93 x 78 x 56
- Conforms to standards both in office and industrial environments:
  - Increased noise immunity for industrial areas
  - Stricter noise emission for residential and commercial areas

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 high-capacity 24V power supply in the installation, this task can be elegantly and cost-effectively solved using the #11076 60W DIN rail mounted power supply, with which multiple Interfaces or Com-Servers can be powered centrally.

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. 60W
Efficiency:	typ. 84%
Input voltage:	100..240VAC
Frequency:	47..63 Hz
Input current:	0.8A at 230V AC
Inrush:	max. 36A at 230V AC
Leakage current:	<1mA at 230V AC
Output voltage:	24V DC (adjustable 21.6..26.4V)
Tolerance:	+/-1%

Ripple:	max. 150mV
Rated current:	2.5A
Minimum load:	none
Overcurrent limiter:	at 105%...160% of the nominal current
Short circuit protected:	Yes
Overvoltage protection:	Shutdown at 115%..135% of nominal voltage Reset using POWER ON
Start time:	100ms at nominal load and 230V AC
Rise time:	30ms at nominal load and 230V AC
Voltage bridging:	100ms at nominal 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: 2.6%/°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:	>216,200 hours (per MIL-HDBK-217F at 25° C)
Weight:	300 g
Dimensions:	78 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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