



PSU-24

24VA ISOLATED MAINS POWER SUPPLY UNIT

- 90 to 260 Vac Operation
- 24W Output
- Short Circuit Protected
- Safety to EN 61010-1
- Range of Output Voltages Available



Description

The PSU range is a family of mains input, DC output DIN rail mounted power supplies. 115 and 230 Vac input options are available with an output voltage of 24Vdc as standard.

All outputs are protected by current limiting, ensuring short circuit proof operation.

Typical applications for the PSU include powering multiple transmitters, other control and instrumentation devices and as an auxiliary supply for small control panels.

The PSU-24 power supply is housed in a compact DIN rail mounting enclosure only 33mm wide, and complies with VDE 0871 Curve B for conducted EMI.

Inputs

Recommended Operating Conditions

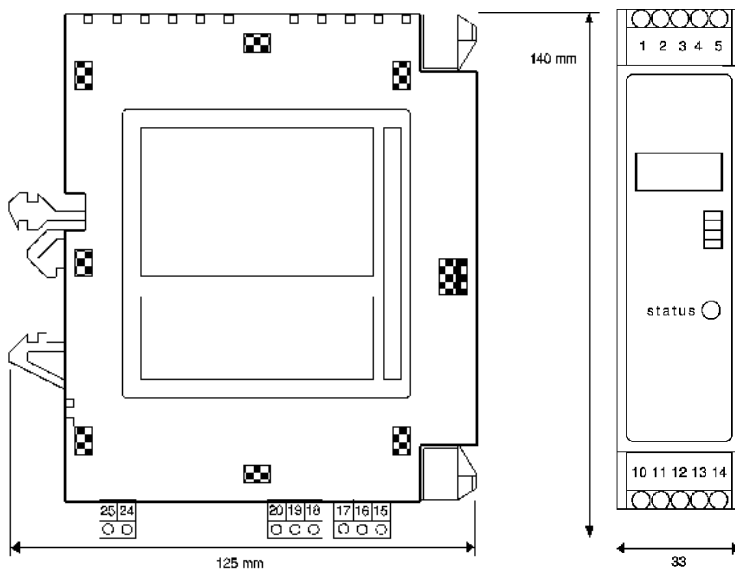
Input Voltage Range	90 to 260 Vac
Output Voltage Range	24 Vdc others available
Output Power	24W

Environmental Conditions

Storage Temperature	-40 to 70 °C
Operating Ambient	0 to 40 °C
Relative Humidity	0 to 90 % RH

Performance Characteristics

Parameter	Min	Typ	Max	Comments
Supply Voltage	85Vrms		270Vrms	50/60 Hz
Supply Current			250mA rms	At 240Vac supply
Output Voltage		24V		Other options available
Output Current			1A	
Operating Ambient	0≡C		40≡C	
Relative Humidity	0%		90%	
Surge Voltage	2.5kV for 50μS			Transient of 10kV/μS
Notes	Absolute maximum ratings indicate sustained limits beyond which damage to the device may occur. Device is protected against reverse polarity connection. Device is protected against output short circuit IMPORTANT: An anti-surge fuse of 1A (T1A) with a voltage rating of 250V and a breaking capacity of 35A at 250Vac is fitted. Replace only with the same type and rating..			



Installation Data

Mounting	DIN Rail TS32/35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 260g

Connection Details

- 10. Power Supply Live
- 12. Power Supply Neutral
- 14. Power Supply Earth
- 1. Output -ve
- 5. Output +ve

Ordering Information

Please supply:

Part Number: PSU-24

Output Voltage: e.g. 24Vdc