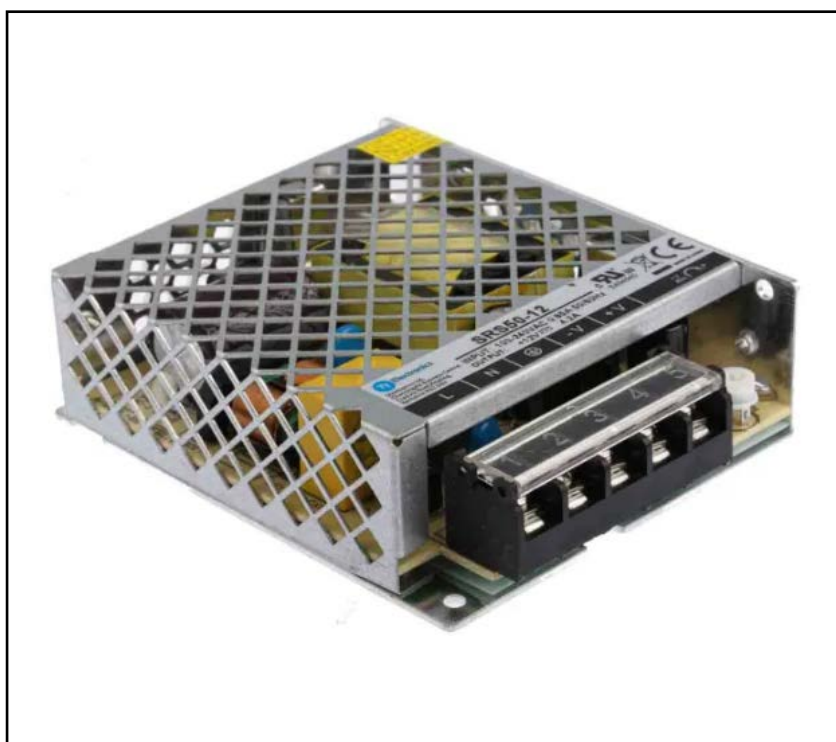


FEATURES

- No load power consumption $<0.5W$
- Rated current 4.2A
- DC Voltage 12V
- Small compact design
- Cooling by free air convection
- High efficiency
- Long Life
- High reliability
- Universal input
- Able to withstand 5G vibration test

RS PRO, 50W Embedded Switch Mode Power Supply SMPS, 12V dc, Enclosed

RS Stock No.: 161-8279



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description ATTRIBUTE 1

The 50W enclosed power supply range from RS Pro has been specially designed to offer high efficiency, long life and high reliability for use in a variety of applications. This range comprises of 6 models with outputs of either 5 V, 12 V, 15 V, 24 V, 36 V or 48 V. Each model is RoHS, CE, UL approved and comes with a three year warranty.

General Specifications

Model	6 models with outputs of either 5 V, 12 V, 15 V, 24 V, 36 V or 48 V
Mounting Type	Chassis Mount
Package Type	Enclosed
Efficiency	85%
Applications	Industrial control system, Mechanical and electrical equipment

Electrical Specifications

Input Specification	
Voltage Range	100V - 240VAC
Frequency	47Hz to 63Hz
Inrush Current	45A/230VAC
Leakage Current (max.)	<3.5mA/240VAC

Output Specification	
DC Voltage	12V
Ripple & Noise (max.)	80mVp-p
Rated Current	4.2A
Rated Power	50.2W

Rise Time	1000ms, 30ms/230VAC 100% Load
Hold Up Time	30ms/ 100% Rated Load
No Load Power Consumption	≤0.5W
Overload Protection	100 ~ 150% of rated output, auto-recovery
Short Circuit Protection	Hiccup Mode, auto-recovery
Isolation Resistance	I/P-O/P,I/P-FG,O/P-FG:100MΩ/500VDC

Mechanical Specifications

Overall Dimensions	99mm x 30mm x 82mm
Overall Length	99mm
Overall Depth	30mm
Overall Width	82mm
Weight	230g

Operation Environment Specifications

Operating Humidity	20% to 95% RH non-condensing
Cooling	free air convection
Operating Temperature Range	-30°C to 50°C
Storage Temperature Range	-40°C to 85°C
Temperature Coefficient	± 0.03%/ °C (0°C - 50°C)
Vibration Resistance	10~500Hz, 2G, 10min/cycle, X, Y, Z 60min in each direction

Approvals

Safety Standard	CE, UL60950-1, EN60950-1
EMC Emission	EN55022 CLASS B

