

Features

- Rated output voltage 12V DC with the possibility of regulation.
- High efficiency of up to 90%.
- Low ripple & noise.
- Protection: Over load , Over voltage and Short circuit.
- Continuously adjustable output voltage to adapt to the specific application, e.g. the need to compensate for the voltage drop caused by the length of the line.

RS PRO Family Name

0800986 RS PRO



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product description

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Input

Voltage range:	AC 100 - 240 V (50/60 Hz)
Tolerance:	± 10%
Efficiency:	88%
Burden without load (max.):	0.3W/7VA
Burden with full load (max.):	60W/95VA
Inrush current:*	MAX. 30A AT 115V AC/60HZ MAX. 60A AT 240V AC/50HZ

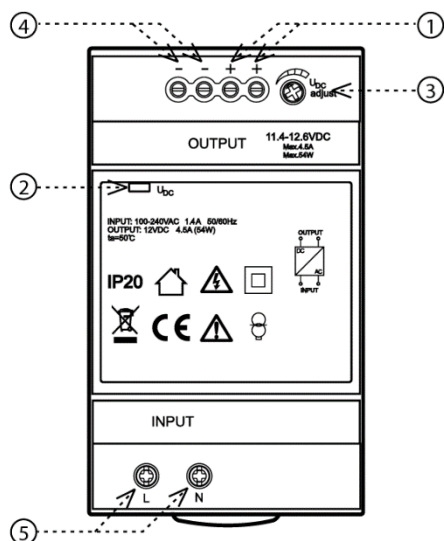
Output

Rated voltage:	12V DC
Vol. setting range:	11.4 - 12.6V
Rated current:	4.5A
Rated power:	54W
Ripple & Noise:	120mV
Output indication:	green LED
Tolerance of output voltage:	5 %
Overload protection:	from 130 % - 200% rated output power
Overvoltage protection:	from 110 % - 145% rated output power
Overcurrent protection:	from 110 % - 180% rated output power
Short circuit protection:	temporarily disconnecting the output

Other information

Operating temperature:	-20 .. +50°C (-4 .. 122 °F)
Operating humidity:	20% ~ 90% RH non-condensing
Storage temperature:	-40 .. +80°C (-40 .. 176 °F)
Dielectric strength:	3kV AC
Isolation resistance:	100M Ω/500V DC/25°C (77°F)/70% RH
Overvoltage category:	III.
Pollution degree:	2
Max. cable size:	max. 1x 2.5 mm ² , max. 2x 1.5 mm ² solid wire/with sleeve max. 1x 2,5 mm ²
Terminal torque:	
input terminals	0.3 Nm
output terminals	0.5 Nm
Protection degree:	IP20
MTBF:	200 000 hours minimum, full load at 25°C ambient temperature
Mounting:	DIN rail EN 60715
Dimensions:	90 x 52.5 x 58 mm (3.5" x 2.1" x 2.3")
Weight:	190 g (6.7 oz.)
Standards:	EN 61204, UL 62368-1

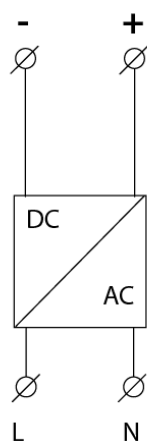
Approvals



1. Output voltage terminals (+)
2. Output voltage indication
3. Adjusting the output voltage
4. Output voltage terminals (-)
5. Supply terminals

Connection

DC 12 V/4.5 A
(DC 24 V/2.5 A)



AC 100 - 240 V
50 Hz/60 Hz