

Features

- Low profile, highly efficient enclosed
- Surge input is 300VAC with a 5 second duration
- Up to 87.5% efficiency rating, with less than 0.3W no load power consumption
- Free air convection cooling
- 3 year warranty

RS PRO

Switching Power Supply 24V dc, 14.6A, 350W, 1 Output

RS Stock No.: 262-9113



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.

Embedded Switch Mode Power Supplies (SMPS)



Product Description

- Designed for indoor & outdoor installations
- Suitable for LED lighting and moving sign applications

General Specifications

Mounting Type	Chassis Mount
Package Type	Enclosed
Termination Type	Screw Terminal
Energy Efficiency Level	III
MTBF	50000 h
Power Indicator	LED Indicator for power on
Medical Approval	No
Applications	Industrial control system, Mechanical and electrical equipment

Electrical Specifications

Input Specification	
Voltage Range	120 to 370V dc, 85 to 264V ac
Frequency	47 to 63Hz
Power Factor	PF $\geq$ 0.81/230V ac PF $\geq$ 0.83/115V ac at full load
Power Dissipation	2W @24Vdc output
AC Current Rating	6.8A/115V ac, 3.4A/230V ac
Inrush Current	Cold Start 60A / 230V ac, 60A / 115V ac
Leakage Current (max.)	<2mA / 240V ac
Input Protection	T0.88A/250 V ac internal fuse in line

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Output Specification	
Output Number	1
DC Voltage	24V
Ripple & Noise (max.)	150mVp-p
Rated Current	14.6A
Rated Power	350.4W
Voltage Tolerance	±1.0%
Line Regulation	±0.5%
Load Regulation	±0.5%

Voltage Adj. Rang	+/-10%	
Rise Time	1500ms/230V ac, 1500ms/115V ac	
Fall Time	50ms/230V ac, 50ms/115V ac	
Hold Up Time	16ms/230V ac, 12ms / 115V ac at full load	
Overload Protection	Hiccup mode, recovers automatically after fault condition is removed	
Over Voltage Protection	Shut down o/p voltage, re-power on to recover	
Over Temperature Protection	Shut down o/p voltage, re-power on to recover	
Short Circuit Protection	No	
Voltage Isolation	Input-Output	3000V ac
	Input-Ground	2000V ac
	Output-Ground	500V ac

Mechanical Specifications

Housing Material	Full Enclosed Plastic Case
Overall Dimensions	215*115*30mm
Overall Length	215mm
Overall Depth	115mm
Overall Width	30mm
Weight	0.76kg

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Operation Environment Specifications

Operating Humidity	20% to 90% RH non-condensing
Cooling	Natural convection
Operating Temperature Range	-30 to 70°C
Storage Temperature Range	-40 to 85°C
Temperature Coefficient	± 0.03% / C
Altitude During Operation	5000m
Pollution Degree	2
Vibration Resistance	10-500Hz, 2G, along X, Y,Z each Axis, 60 min for each Axis
Shock Resistance	15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face

Protection Category

IP Rating	IP20
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Approvals

Declarations	MFR Declaration of Conformity
Safety Standard	EN 62368-1:2014+A11:2017 approved
EMC Emission	Compliance to 55032:2015+A11:2020, BS EN 55035:2017+A11:2020