

Features

- Low profile, highly efficient enclosed
- Surge input is 300VAC with a 5 second duration
- Up to 90% efficiency rating, with less than 0.5W no load power consumption
- Free air convection cooling
- 3 year warranty

RS PRO

Switching Power Supply 12V dc, 29A, 348W, 1 Output

RS Stock No.: 262-9112



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

- 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	180 to 264 (By Switch) V ac, 240 to 370V dc, 90 to 132 V ac
Frequency	47 to 63Hz
Power Factor	PF \geq 0.81/230V ac PF \geq 0.83/115V ac at full load
Power Dissipation	0.5W @12Vdc 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

Embedded Switch Mode Power Supplies (SMPS)



Output Specification	
Output Number	1
DC Voltage	12V
Ripple & Noise (max.)	150mVp-p
Rated Current	29A
Rated Power	348W
Voltage Tolerance	±1.5%
Line Regulation	±0.5%
Load Regulation	±1%

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

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