Power Supply PS1060

FEATURES & BENEFITS

- Universal AC input
- Short circuit, overload, over voltage protection
- Air convection cooling
- DIN rail installation
- Built in DC OK active signal
- NEC class 2/ LPS compliant
- Power on LED indicator
- No load power consumption <0.75W
- 100% full burn-in tested

Part Number
32101-9

Product Description

The PS1060 product is a slim-design, DIN rail mounted Class I switching power supply featuring fully isolated plastic cases, extended operating temperatures from -20º to 70ºC and 88% efficiency.

Standard features include short circuit, overload, and over voltage protection, no load power consumption, and DC OK signal for monitoring status of the power supply unit.

COMTROL®

SPECIFICATIONS

 COMTROL®

HARDWARE

Enclosure	UL Compliant Fully Isolated Plastic Housing
Installation Method	DIN RAIL (35MM)
DIN Rail Spec	TS35/7.5 or TS35/15
LED Indicators	Output Voltage Status
Dimensions	3.9" x 1.6" x 3.5"
Product Weight	0.61 lb

INPUT SPECIFICATIONS

Connector Type	Screw Terminals
AC Voltage Range	85 - 264VAC
Frequency Range	47 - 63Hz
DC Voltage Range	120 - 370VDC
Efficiency (Typ.)	88%
AC Current (Typ.)	1.8A / 115VAC
	1A / 230VAC
Cold Start Inrush Current	30A / 115VAC
	60A / 230VAC
Leakage Current	< 1mA / 240VAC
No Load Power Consumption	< 0.75W

OUTPUT SPECIFICATIONS

Connector Type	Screw Terminals
DC Voltage	24VDC
Rated Current	2.5A
Current Range	0 - 2.5A
Rated Power	60W
Voltage Adjustable Range	24 - 30VDC
Voltage Tolerance	±1%
Ripple and Noise (Max.)	150mVp-p
Output Load Derating	60% of full load at 70ºC
Line Regulation	±1%
Load Regulation	±1%
Set-Up, Rise Time	500ms, 30ms / 230VAC
	500ms, 30ms / 115VAC at Full Load
Hold Up Time (Typ.)	50ms / 230VAC
	20ms / 115VAC at Full Load
DC OK Active Signal	Relay Contact Rating: 30V/1A

PROTECTION SPECIFICATIONS

Short Circuit/ Overload

Overload Power	105 - 150% of rated output power, 60W
Overload Protection Type	Constant Current Limiting
	Recovers automatically after fault condition is removed

Over Voltage

Rated Voltage	31.2 - 36VDC
Over Voltage Protection Type	
	Shutdown output voltage, re-power on to recover

ENVIRONMENTAL SPECIFICATIONS

Air temperature

System On	-20 to 70° C
System Off	-40 to 85° C

Operating Humidity (non-condensing)

	20% to 90%

Vibration

Component :
10 - 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
Mounting :
Compliance to IEC60068-2-6

Mean time between failures	34.2 years

REGULATORY APPROVALS

Emissions
European Standard EN61204-3
European Standard EN55022
Class B Limit
IEC 1000-3-2/EN61000-3-2: Harmonic
Class A Limit
IEC 1000-3-2/EN61000-3-2: Flicker

Immunity
European Standard EN61204-3
European Standard EN55024:
IEC 1000-4-2/EN61000-4-2: Electrostatic Discharge (ESD)
IEC 1000-4-3/EN61000-4-3: Radiated Radio-Frequency (RF)
IEC 1000-4-4/EN61000-4-4: Fast Transient/Burst
IEC 1000-4-5/EN61000-4-5: Surge
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance
IEC 1000-4-8/EN61000-4-8: Magnetic field
IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

Safety	UL60950

Other
European Standard: 2002/95/EC Directive (RoHS)

Regulatory Approvals

EXPORT INFORMATION

Packaged Shipping Weight	0.70 lb
Package Dimensions	4.3" x 2.0" x 4.1"
UPC Code	7-56727-32101-9
ECCN	4A994
Schedule B Number	8504.40.6007

APPLICATIONS

- Traffic and Transportation
- Industrial Automation
- Building Automation
- Power Generation
- Material Handling
- Military

ORDERING INFORMATION

32101-9 Power Supply PS1060 (24V, 60 watts)

PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 3-year limited warranty.

Sales Support
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