COMTROL
Pepperl+Fuchs

24VDC External Power Adapter

Part Number: 1200038

KEY FEATURES AND BENEFITS

- Extended temperature range (-37°C to 74°C)
- 24VDC External Power Supply supports 100V or 230VAC
- Red wire code is 21-27 VDC +
- White wire code is 21-27VDC - (common)
- Black wire code is chassis (earth) ground
- Outputs 24VDC and operates in the input voltage range of 90-264VAC, 47-63Hz

PRODUCT DESCRIPTION

This 24VDC external power adapter universal power supply kit consists of a 24 Watts Universal AC-DC power supply and power cords that are compliant with North American and European power cord standards.

The 24VDC 24W three wire power supply outputs 24VDC and operates in the input voltage range of 90-264VAC, 47-63Hz. The power supply has three stripped and tinned bare output wires enabling users to simply connect wires to power products with terminal block inputs. Additionally, the power supply operates in the extended temperature range of -37°C to 74°C enabling users to power products in harsh environments. The power supply has a green status LED to display its proper operation.

connect. communicate. control.

POWER SUPPLY KIT SPECIFICATIONS

HARDWARE

Enclosure
UL Compliant Plastic Housing
Installation Method
Panel Mountable
LED Indicators
Output Voltage Status – Green LED
Dimensions
4.21" x 2.6" x 1.22"
10.69 x 6.6 x 3.1 cm
Product Weight
6.5 oz
184.27 g

INPUT SPECIFICATIONS

Connector Type
IEC320-C14 (Built into housing)
AC Power Inlet with 3 Prongs
AC Voltage Range
90 – 264VAC – Universal
Frequency Range
47 – 63Hz

OUTPUT SPECIFICATIONS

Connector Type
Bare Wires, 3-Wire
DC Voltage
24VDC
Rated Current
1A
Current Range
0 - 1A
Rated Power
24W
Ripple and Noise (Max.)
±1%
DC Output Indicator LED
Yes
DC Output Cable Length
6' (1.83 m)

PROTECTION SPECIFICATIONS

Short Circuit/Overload
Overload Protection Type
Recovers automatically after fault condition is removed
Over Voltage
Over Voltage Protection Type
Shutdown output voltage
Output auto-recovers after fault condition is removed
Dielectric Withstand Voltage Primary-Secondary
Withstand Voltage
4242 VDC

ENVIRONMENTAL SPECIFICATIONS

Air Temperature
System On   -37 to 74°C
System Off   -40 to 85°C
Operating Humidity (non-condensing)
10% to 95%
Storage Humidity (non-condensing)
5% to 95%
MTBF (Mean Time Between Failures)
22.83 Years

NORTH AMERICAN POWER CORD SPECIFICATION

Type
Detachable North American Power Cord
Length
6' (1.83 m)
Male Connector
IEC320-C14, 3 Prong
Female Connector
IEC320-C13
Color
Black
Standard
RoHS Compliant

EUROPEAN POWER CORD SPECIFICATION

Type
Detachable European AC Power Cord
Length
6' (1.83 m)
Male Connector
CEE 7/7 Plug, 2 Prong
Female Connector
IEC320-C13
Color
Black
Standard
RoHS Compliant

EXPORT INFORMATION

Shipping Weight
1.36 lbs
0.62 kg
Package Dimensions
9" x 12"
22.86 x 30.48 cm
Country of Origin
USA
Waranty
3 Years

REGULATORY STANDARDS

Emissions
European Standard EN55022
CISPR 22 Class B
FCC Part 15
Class B limit
Immunity
European Standard EN55024:
IEC 1000-4-2/EN61000-4-2: Electrostatic Discharge (ESD)
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
UL 61010-1, UL 61010-2-201
CSA C22.2 No. 61010-1-12
CSA C22.2 No. 61010-2-201:14
Safety
UL60950-1
CSA C22.2
EN60950-1
IEC 60950-1
Other
European Standard: RoHS 2 Compliant under CE

REGULATORY APPROVALS

CE   c(UL)us LISTED   ✓RoHS

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