

PDA1024-01

DIN-Rail Mounted 24 VDC Power Supply



KEY FEATURES

- 1.5 Amp @ 24 VDC Power Supply
- DIN Rail Mountable
- UL Recognized Component

OVERVIEW

The PDA1024-01 is a DIN rail mounted 1.5 A, 24 VDC power supply that can be used for a variety of functions; the most common of which is powering 4-20 mA transmitters.

ORDERING INFORMATION

Ordering Guide	
Model	Description
PDA1024-01	24 VDC Power Supply for DIN Rail
PDA1002	6" DIN Rail Mounting Kit

SPECIFICATIONS

General

Input Voltage: 85-264 VAC; 120-370 VDC

Output Voltage: 21.6-29 VDC; $\pm 10\%$ 1.5 A rated current.

See output rating table below.

Input Frequency: 47-63 Hz

AC Current: 115 VAC: 0.88 A; 230 VAC: 0.48 A

Inrush Current: 115 VAC: 25 A; 230 VAC: 45 A cold start

Connections: Screw terminals

Setup, Rise Time: 115 VAC: 500 ms, 50 ms;

230 VAC: 500 ms, 50 ms at full load

Hold Time: 115 VAC: 21 ms; 230 VAC: 30 ms at full load

Over Load Protection: 105-160% rated output power. Constant current limiting, recovers automatically after fault condition is removed

Over Voltage Protection: Shut down o/p voltage, re-power on to recover

Operating Temperature: -30 to 60°C (-22 to 140°F)

Working Humidity: 20% to 90% RH non-condensing

Storage Temperature, Humidity: -40° to 85°C (-40 - 185°F), 10% to 95% RH

Temperature Coefficient: $\pm 0.03\%/^{\circ}\text{C}$ (0 to 50°C)

Vibration: 10-500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes

Safety Standards: UL 508 Listed and UL Recognized Component
UL File: E183223

Withstand Voltage: I/P-O/P: 4 KVAC

Isolation Resistance: I/P-O/P: 100M Ohms / 500 VDC

EMC: EN55032 (CISPR22) Class B,

EN61000-3-2, -3

EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024,

EN61000-6-1, EN61204-3 Light industry, Criteria A

MTBF: 968.1K hrs min. MIL-HDBK-217F (25°C)

Dimensions: 1.40" x 3.50" x 2.10" (35 mm x 90 mm x 54.5 mm)
(W x H x D)

Warranty: 1 year parts & labor

Output Ratings

DC Voltage	Rated Current	Current Range	Rated Power	R&N
24 V	1.5 A	0-1.5 A	36 W	150 mV
Volt. Adj.	Tol.	Line Reg.	Load Reg.	Eff.
21.6-29 V	$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$	89%



WARNING
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

LDS1024-01_D 10/20

**PRECISION
DIGITAL**