

DIN Rail Mounting Linear Power Supplies

PSDIN-41000R and
PSDIN-42000B Series



DIN Rail Mounting
Low Ripple, Low Noise
Isolated Input to Output
LED Indicator for Power On

The PSDIN-41000R Series range of power supplies are designed for quick and trouble-free installation onto 35 mm profile DIN rails. With outputs ranging from 5 to 24V and maximum current capabilities from 100 to 500 mA, these units are ideal for most instrumentation and control systems. Every model in the range is provided with output current foldback limiting and is fully short-circuit protected. Great attention has been taken to usability and safety. The double insulated housing protects users without the need for earthing. A green "supply on" LED is provided to clearly indicate the presence of power, and link selection allows the use of 110 or 230V supplies without derating.

The PSDIN-42000B Series DIN rail mounting power supplies are supplied ready for connection. The unit has only to be snapped on to the 35 mm profile rail and connected to the clearly marked terminal screws. A status LED indicates power is on. For increased power two or more units may be connected in parallel. The output of these units is fully protected against short circuits and overload.



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.



PSDIN-41052R.

Both models shown smaller than actual size.



PSDIN-42024B3.

Specifications

Input: 115/230 Vac, 50/60 Hz

Voltage Output: See To Order chart on next page

Ripple and Noise:
5 mV PK-PK maximum

Output Voltage Tolerance:
±0.5% maximum

Load Regulation: ±0.05% for 50% load change

Line Regulation: ±0.05% for 10% line change

Isolation: Input to output 3750 Vac minimum

Temperature Rating: Standard range 0 to 40°C (32 to 104°F) (full-rated, derated linearly to 40% at 70°C (158°F)

Case Size:

PSDIN-41000R Series:
119.2 L x 45 W x 73.2 mm H
(4.69 x 1.77 x 2.88")

PSDIN-42000B Series:
162 L x 105 W x 98 mm H
(6.38 x 4.13 x 3.86")

Case Material:

PSDIN-41000R Series: Polycarbonate
PSDIN-42000B Series: Steel housing with aluminum base

Weight:

PSDIN-41000R: 0.53 kg (19 oz)
PSDIN-42000B: 2.49 kg (88 oz)

TXDIN70, DIN rail temperature transmitter.

All models shown smaller than actual size.



TXDIN70-DISPLAY, external plug-in display.



TXDIN1620.



TXDIN1630.



TXDIN1610.



TXDIN101.

PSDIN-41000R Series

To Order		
Model No	Description	Voltage Output
PSDIN-41052R	DIN rail mounting linear power supply	5 Vdc, 200 mA
PSDIN-41055R	DIN rail mounting linear power supply	5 Vdc, 500 mA
PSDIN-41121R	DIN rail mounting linear power supply	12 Vdc, 100 mA
PSDIN-41122R	DIN rail mounting linear power supply	12 Vdc, 200 mA
PSDIN-41124R	DIN rail mounting linear power supply	12 Vdc, 400 mA
PSDIN-41151R	DIN rail mounting linear power supply	15 Vdc, 100 mA
PSDIN-41153R	DIN rail mounting linear power supply	15 Vdc, 300 mA
PSDIN-41241R	DIN rail mounting linear power supply	24 Vdc, 100 mA
PSDIN-41242R	DIN rail mounting linear power supply	24 Vdc, 200 mA
PSDIN-41245R	DIN rail mounting linear power supply	24 Vdc, 500 mA

Comes complete with operator's manual

Ordering Example: PSDIN-41242R, DIN rail mounting linear power supply 24 Vdc, 200 mA, RoHS compliant. OCW-3, OMEGACARESM extends standard 2-year warranty to a total of 5 years.

PSDIN-42000B Series

Model No	Description	Voltage Output
PSDIN-42024B3	DIN rail mounting linear power supply	24 Vdc, 3 A
PSDIN-42024B4	DIN rail mounting linear power supply	24 Vdc, 4 A

Comes complete with operator's manual.

Ordering Example: PSDIN-42024B3, DIN rail mounting linear power supply 24 Vdc, 3 A. OCW-3, OMEGACARESM extends standard 2-year warranty to a total of 5 years.