

ENCODER POWER SUPPLY

FEATURES

A clean source of dedicated power for your encoder is an important factor when designing a reliable system. Now available from EPC are small, easily mounted DIN Rail power supplies specifically chosen to power encoders. Designed for space efficiency, these compact power supplies are available in 5, 12, or 24 VDC.

Easy to see LED indicators show the power supply is working properly. Screw type terminals easily accommodate wires from AWG 24 to 14 while snap-on DIN-Rail mounting (TS35/7.5 or TS35/15) allows the unit to sit safely and firmly on the rail with no tools required even to remove. The shock proof housing is both UL and CE approved. These supplies have been tested to work with all our Accu-Coders™.

SPECIFICATIONS

Electrical

Nominal Input Voltage..... 100 to 240 Vac / 47 to 63 Hz
 Input Voltage Range 90 to 265 Vac / 47 to 63 Hz or
 120 to 370 VDC
 Frequency 100 kHz min
 Inrush Surge Current..... < 10 A @ 115Vac, < 18A @ 230 Vac
 Input Fuse T2A / 250 Vac

	<u>EPS-5V</u>	<u>EPS-12V</u>	<u>EPS-24V</u>
Nominal Output Voltage	5 VDC	12 VDC	24 VDC
Tolerance	± 1 %	± 1 %	± 1 %
Nominal Output Current.....	3 A	1.5 A	0.75 A
Efficiency	> 75%	> 77 %	> 77 %
Ripple and Noise	50 mV	50 mV	50 mV

Mechanical

Dimensions 3.54" L x 0.89" W x 4.5" D
 (90 mm L x 22.5 mm W x 115 mm D)
 Connection Type Screw Clamp Connection
 Mounting DIN-Rail TS35/7.5 or TS35/15

Environmental

Operating Temperature-100 C to +500 C
 Storage Temperature -250 C to +850 C
 Relative Humidity..... 95% RH

ENCODER POWER SUPPLY ORDERING INFORMATION

(Specify stock # when ordering)

Differential = A,A', B,B', Z,Z'

Single Ended = A, B, Z

Stock

100043.....5V Output (EPS-5V)
 100044.....12V Output (EPS-12V)
 100045.....24V Output (EPS-24V)

Approvals and Standards

UL/cUL...UL 508 / UL 1310 Listed, Class 2

TUV.....EN 60950

CEEN 50081-1 / EN 55022 Class B,

EN 61000-3-2

EN 61000-3-3, EN 50082-1 / EN 55024

FCCClass B

