ENCODER POWER SUPPLY

DISCONTINUED - Contact EPC Technical Support for assistance: sales@encoder.com

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 @ 115 Vac, < 18 A @ 230 Vac
Input Fuse ......................... T2A / 250 Vac

<table>
<thead>
<tr>
<th>EPS-5V</th>
<th>EPS-12V</th>
<th>EPS-24V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Output Voltage</td>
<td>5 VDC</td>
<td>12 VDC</td>
</tr>
<tr>
<td>Tolerance</td>
<td>± 1 %</td>
<td>± 1 %</td>
</tr>
<tr>
<td>Nominal Output Current</td>
<td>3 A</td>
<td>1.5 A</td>
</tr>
<tr>
<td>Efficiency</td>
<td>&gt; 75 %</td>
<td>&gt; 77 %</td>
</tr>
<tr>
<td>Ripple and Noise</td>
<td>50 mV</td>
<td>50 mV</td>
</tr>
</tbody>
</table>

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 ............ -10°C to +50°C
Storage Temperature .............. -25°C to +85°C
Relative Humidity .................. 95% RH

ENCODER POWER SUPPLY
ORDERING INFORMATION
(Specify stock # when ordering)
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
CE ...................... EN 50081-1 / EN 55022 Class B,
                                  EN 61000-3-2
                                  EN 61000-3-3, EN 50082-1 / EN 55024
FCC ...................... Class B