Behlman’s DCS1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS1000 can accept a wide range of inputs and can supply a variety of DC outputs. These rugged power supplies are built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704 and MIL-STD-1399. Units are Base Plate cooled.

**INPUT**

- Input Transient protection: Per Mil-STD-1399
  -1: 85-265 VAC, 47-440 Hz, Power Factor Corrected

**OUTPUT (S):** T (Triple)

<table>
<thead>
<tr>
<th>Voltage/Current</th>
<th>Load Regulation</th>
<th>Line Regulation</th>
<th>PARD-Ripple &amp; Noise</th>
<th>Current Limit</th>
<th>Efficiency</th>
<th>Remote Sense</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 VDC +/-1% @ 3.5 A</td>
<td>0.2% Maximum (0-100%)</td>
<td>0.2% Maximum</td>
<td>1% Typical</td>
<td>Short Circuit and Over Current Protected</td>
<td>80% Typical</td>
<td>0.6V compliance</td>
</tr>
<tr>
<td>12 VDC +/-1% @ 3.5 A</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>24 VDC +/-1% @ 16.7 A</td>
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</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS—See O&C drawing 24105**

- Isolation
  - Input to Output: 1000 VDC
  - Input to Case: 2500 VDC
  - Output to Case: 200 VDC
- Dimensional Data: 11.32"L X 5"W X 2.0"H
- Weight: 3.4 lbs
- J1- Input: 7W2 Type Positronics
- J2- Output: 13W6 Type Positronics

**ENVIRONMENTAL:**

- Operating Temperature: -40 to +85 degrees C Base Plate
- Storage Temperature: -40 to + 100 degrees C
- Designed to meet:
  - Shock: MIL-S-901; MIL-STD-810
  - Vibration: MIL-STD-167; MIL-STD-810
  - Humidity: MIL-STD-810
  - EMI/EMC: MIL-STD-461C/D
  - RE02/102 compliance when installed in shielded enclosure

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