

### DCS1000D-8-(15, 33.3)- (15, 33.3) P/N 94088

Behlman's DCS1000D-8 COTS power supply is a highly reliable, switch mode units built for Mission Critical Military applications as well as high-end industrial and commercial applications. The DCS1000D-8 will accept a 115 VAC, 3-phase Delta input and is configured to supply a redundant 15 VDC @ 33.3 Amps output. Can also be used as a single output voltage with combined current capability, (other voltages are available). This rugged power supply is built to support the rigor of Military shipboard applications and designed to operate from MIL-STD-1399 input power . Units are conduction cooled via baseplate.

**INPUT** Powered from MIL-STD-1399, Section 300B, Type II  
115 VAC, 3-phase Delta, 360-440 Hz  
Power Factor: 0.90 Typical @ Full Load

**OUTPUT:** Redundant 15 VDC, 500 Watt supplies  
Voltage/Current: 15 VDC +/-1% @ 66.6 A  
Redundant Output: 15 VDC +/-1% @ 33.3 A  
Load Regulation: 1.0% Maximum (1%-100%)  
Line Regulation: 0.5% Maximum  
PAR-D-Ripple & Noise: 1% Typical (2%-100% of rated load)  
Efficiency: 82% Typical  
Remote sense: 0.6 V compliance



#### PROTECTION:

Overcurrent Protection: Auto-recovery type, Maximum 270% of rated load current  
Overvoltage Protection: Latching type, 114 – 123% of rated output voltage  
High Temp Warning: Isolated N.O. contact. Closes on high temp condition. 28 VDC at 1 A  
(Internal over-temperature protection provided for all active circuits)

#### GENERAL CHARACTERISTICS: See Outline & Connection drawing 12176

Isolation  
Input to Output: 1000 VDC  
Input to Case: 1000 VDC  
Output to Case: 500 VDC  
Dimensional Data: 9.75"L X 5.0"W X 2.50"H  
11.00"L over mounting feet  
Weight: 5.6 lbs  
J1- Input: DBM5W5PK127  
J2- Output: DCM21WA4SK126

#### ENVIRONMENTAL:

Operating Temperature: -40 to +85° C Base Plate  
Storage Temperature: -55 to + 100° C Base Plate  
Designed to meet:  
Shock: MIL-STD-810  
Vibration: MIL-STD-167; MIL-STD-810  
Humidity: MIL-STD-810  
EMI/EMC: MIL-STD-461E; RE02/102 with proper shielding.



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