

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 can supply a redundant 15 VDC @ 33.3 Amps output (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, 360-420 Hz
Power Factor: 0.90 Typical @ Full Load

OUTPUT: Redundant 15 VDC, 500 Watt supplies
Voltage/Current: 15 VDC +/-1% @ 33.3 A
15 VDC +/-1% @ 33.3 A
Load Regulation: 1.0% Maximum (1%-100%)
Line Regulation: 0.5% Maximum
PAR-D-Ripple & Noise: 1% Typical (1%-100%)
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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