

DCS1000S - 6 - (60, 16.7) P/N 94056

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 RTCA-DO160. Units are Base Plate cooled.

INPUT (I) Input Transient protection: Per Mil-STD-704
-6: 115/200 VAC, 3 phase, 47-440 Hz

OUTPUT (S): S (Single); D (Dual); T (Triple); Q (Quad)

Voltage: (V)	60 VDC +/-1%
Current: (A)	16.7 Amps. Maximum power 1000 watts
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	0.2% Maximum
PARD-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Over Current Protected
Over voltage:	Included
Efficiency:	85% typical
Remote Sense:	0.6V compliance



GENERAL CHARACTERISTICS

Isolation	
Input to Output:	1500 VDC
Input to Case:	1500 VDC
Output to Case:	500 VDC
Dimensional Data:	9.75"L X 5.0"W X 2.25"H (See Outline Drawing 23094)
Weight:	5.5 lbs
J1- Input:	5 pin connector
J2- Output:	30 pin connector

ENVIRONMENTAL:

Operating Temperature:	-40 to +85 degrees C Base Plate
Storage Temperature:	-55 to + 100 degrees C
Shock:	MIL-S-901; MIL-STD-810
Vibration:	MIL-STD-167; MIL-STD-810; RTCA/DO-160D
Humidity:	MIL-STD-810
EMI/EMC:	MIL-STD-461C/D; RTCA/DO-160D, RE102 with proper shielding.



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