

DCS1000D-1-(12, 50) (28, 10.7) P/N 94093

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:	(D) Dual
Voltage/Current	12 VDC +/-1% @ 50 A 28 VDC +/-1% @ 10.7 A
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	1% Maximum
PARD-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Over Current Protected
Over voltage:	130% Typical
Efficiency:	80% Typical
Remote Sense:	0.6V compliance



GENERAL CHARACTERISTICS-See O&C drawing 24166

Isolation	
Input to Output:	500 VDC
Input to Case:	500 VDC
Output to Case:	100 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
Enable Lines	Off when tied to return
Over Temperature	Contact Closure (Normally Open)

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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