

### DCFX1000D-1-(24, 45)-(12, 15) P/N 94042

Behlman's DCFX1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCFX1000 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 sealed and require forced air cooling.

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

#### OUTPUT (S): D (Dual)

Voltage/Current	24 VDC +/-1% @ 45 A 12 VDC +/-1% @ 15 A
Load Regulation:	0.2% Maximum (0-100%)
Line Regulation:	0.2% Maximum
PAR-D-Ripple & Noise:	1% Typical
Current Limit:	Short Circuit and Over Current Protected
Over voltage:	Included
Efficiency:	80% Typical
Remote Sense:	0.6V compliance



#### GENERAL CHARACTERISTICS- SEE O&C DRAWING 24125

Isolation	
Input to Output:	1000 VDC
Input to Case:	2500 VDC
Output to Case:	200 VDC
Dimensional Data:	11.22"L X 10.63"W X 4.68"H (over heat sink and connectors)
Weight:	3.4 lbs
J1- Input:	Amphenol P/N D38999/21NE6PN
J2 & J3- Output:	Glenair P/N CIRO3R2015S-T29

#### ENVIRONMENTAL:

Operating Temperature:	-40 to +85 degrees C at Heat Sink
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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