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Compact Power Distribution Assembly 8 channels



SPEC Heavy Weight Shock Testing performed on Global Command and Control System - Maritime (GCCS-M), and requirements for Tactical Integrated Digital Systems (TIDS) racks, the compact solid state Power Distribution Assembly

(PDA) has been developed. The one rack unit (1 RU) package, ruggedized for shipboard and other harsh military applications, is designed to achieve Shock Grade A qualification and is plug & play replaceable with existing two (2) and three (3) RU PDAs currently in fleet use. The compact size provides integrators with increased rack space for equipment installation and has an additional two (2) controlled AC outputs for a total of eight (8).

FEATURES-

All switches and circuit breakers (CB) are MIL-SPEC qualified components that resolve the problem of incidental CB trip upon shock impact. All circuitry, indicators, and relays are solid state for reliability and increased life expectancy. The PDA accepts standard rack version alarm and interlock inputs, and includes a Battle Short override circuit and UPS interfaces. The PDA fits any E IA standard 19 inch rack opening and includes cable treatment for ease of access. The front panel includes AC output switches for eight (8) independently interlocked outputs. A separate output is provided for fans or blowers mounted in the rack. The unit is protected by a 20 Arnp MIL-SPEC main circuit breaker.

SPECIFICATIONS:

Power Source: 100-1 20 VAC 50/60 Hz

Dimensions: (W x H x D) 19" x 1.75" x 13" (1 RU)
(These dimensions include connectors but not cable treatment.)

Weight: 15.75 lbs.

Front Panel Controls:

Main Power (CB)
UPS Output
AC Outputs (8) (Load)
Battle Short
Alarm Reset

Front Panel Indicators-

Power Available
Main Power
Battle Short
Alarm Pwr
Alarm Status
Alarms-
AC Fail (input AC)
Low Batt (battery charge level)
Hot (rack)
Warm (rack)

Information subject to change without notice.

