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Compact Power Distribution Assembly 6 channels



This compact solid state Power Distribution Assembly (PDA) includes an internal DC power supply and fits the one rack unit (1 RU) height. It has been ruggedized for shipboard and other military applications, and is designed to achieve

Shock Grade A qualification. The Compact PDA is plug & play replaceable with existing two (2) and three (3) RU PDAs currently in fleet use. The compact size provides integrators with improved rack space for equipment installation and has a standard 130 Watt internal DC power supply capable of powering several external devices

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.

The PDA accepts standard rack version alarm and interlock inputs and includes a Battle Short override circuit and UPS interfaces.

The PDA fits any EIA standard 19 inch rack opening and includes cable treatment for ease of access.

The front panel includes AC output switches for six (6) independently interlocked outputs. A separate output is provided for fans or blowers mounted in the rack

The unit is protected by a 20 Amp MIL-SPEC circuit breaker. DC outputs for +5, +12, and -12 VDC are controlled by a separate front panel switch. The fault tolerant power supply is overload protected and automatically resets.

Front panel LED indicators show power status and alarm conditions. An audible alarm is also provided. Alarm conditions are latched until reset by an operator at the front panel.

SPECIFICATIONS:

Power Source:

100- 120 VAC 50/60 Hz

Dimensions: (W x H x D)

19" x 1.75" x 13" (1 RU equivalent) (These dimensions include connectors.)

Weight: 20 lbs.

DC Outputs.

130 Watts total:

+5 VDC, 20 Amps

+ 12 VDC, 6 Amps

+12 VDC, 1 Amp

-12 VDC, 1 Amp

Front Panel Controls-

Rack Mains (CB)

Rack Main and UPS

AC Outputs (6)

DC Outputs

Battle Short

Alarm Reset

Front Panel Indicators

AC Available

Rack Main and UPS

Battle Short

Alarm

AC Fail (input AC)

Batt Low (battery charge level)

Hot

Information subject to change without notice