



ELECTRONICS

# PRODUCT SPECIFICATION

## POWER DISTRIBUTION UNIT 0056A02 (0056A04)

The Power Distribution Unit (PDU) is a 19" 1U rack mounted assembly providing filtered, circuit breaker protected, power to eight rear ground-isolated receptacles. Master power is switched by a single lighted dual-pole circuit breaker, 20-amp standard. Power to two of the rear receptacles is switched by lighted dual-pole circuit breakers, 20- amp standard. Power to the remaining six rear receptacles is switched by lighted dual-pole circuit breakers, 10-amp standard. The 0056A04 is functionally equivalent and replaces the master power circuit breaker with a green vertically switched unit as shown.



### GENERAL SPECIFICATIONS

**Part Number:**

0056A02

**Characteristics:**

- Width: 17.00"                      - Height: 1.74"
- Depth: 14.00"                      - Weight: 17 lbs

**Enclosure:**

- 0.125" Aluminum Mounts                      - Black Mini-Tex Finish
- 0.042" Steel Housing                              - White Silkscreen Lettering
- Strain Relief Tie-Wrap Bar

**Electrical:**

- AC Input: 125 VAC, 50/60 Hz
- AC Input Connection <sup>(1)</sup>: 15' 12/3 Power Cord, Un-terminated
- AC Breakers <sup>(2)</sup>:
  - 1x Master Power – 20 A, Lighted, Dual-Pole Rocker
  - 6x Outlet Power – 10A, Lighted, Dual-Pole Rocker
- AC Output:
  - 4x2 Isolated Ground Individually Switched Receptacles
- AC Line Filter:
  - Isolated EMI/RFI Filter, 20 A RMS, UL, CSA, VDE Approved

**Environmental:**

- Environmental: Environmental Designed and tested in accordance with MIL- C- 55629 and MILSTD-202 as follows:
- Shock: Withstands 100 Gs, 6ms, sawtooth while carrying rated current per Method 213, Cond. I. Instantaneous curves tested at 80% of rated current
- Vibration: Withstands 0.060" excursion from 10-55 Hz, and 10 Gs 55-500 Hz, at rated current per Method 204C, Test Condition A. Instantaneous curves tested at 80% of rated current
- Moisture Resistance: Method 106D, i.e., ten 24-hour cycles @ + 25°C to +65°C, 80-98% RH. Salt Spray Method 101, Condition A (90-95% RH @ 5% NaCl Solution, 96 hrs)
- Thermal Shock: Method 107D, Condition A (Five cycles @ -55°C

- to +25°C to +85°C to +25°C)
- Operating Temperature: -40° C to +85° C
- Chemical Resistance: Only the outside surfaces of the circuit breaker case and the handles may be cleaned with detergents or alcohol. Organic (hydrocarbon based) solvents are not recommended because they attack plastics. Caution should be taken when solvents are used to clean and remove flux from terminals. Lubricants should not be introduced into the handle/bushing openings

**Mechanical:**

- Endurance: 10,000 ON-OFF Operations @ Rated Current and Voltage
- Trip Free: Circuit breaker will trip on overload, even when the actuator is forcibly held in the ON position
- Trip Indication: The actuator moves positively to the OFF position when an overload causes the circuit breaker to trip

**Electrical:**

- Insulation Resistance: Minimum of 100 Megaohms at 500 Vdc
- Dielectric Strength: UL, CSA 1500V, 50/60 Hz for one minute between all electrically isolated terminals. Comply with the 8mm spacing and 3750 V 50/60Hz dielectric requirements from hazardous voltage to operator accessible surfaces, per Publications IEC 380, 435, 950, EN 60950 and VDE 0805

**Agency Approval:**

- UL Recognized: UL Recognized under the Component Recognition Program as Protectors, Supplementary (Guide QVNU2, File E75596), UL Standard 1077 and Switches, Industrial Control (Guide NRNT2, File E148683), UL Standard 508
- CSA Certified: CSA Certified under Class 3215 01, File LR47848. CSA Standard C 22.2 No. 235.
- VDE Certified to DIN EN 60934:1994 + A1 1994 (VDE 0642/04.95) as circuit breaker for equipment (GS / CBE) S-type under license No.'s 88881 and 88882