

SECTION 26 26 00 {16470}

POWER DISTRIBUTION UNITS

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This section includes unit power conditioning equipment for electronic data processing installations. These units incorporate surge suppression, filters, isolation, voltage regulation, monitoring, and branch circuit protection.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at [www.4specs.com](http://www.4specs.com), ARCAT at [www.arcata.com](http://www.arcata.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://products.construction.com).

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at [supportcenter@csrf.org](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

- A. Section includes power distribution units (PDU).

1.2 REFERENCES

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List reference standards included within text of this section. Edit the following for Project conditions.

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- A. Institute of Electrical and Electronics Engineers:
  - 1. IEEE C62.41 - Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- B. National Electrical Manufacturers Association:
  - 1. NEMA AB 1 - Molded Case Circuit Breakers and Molded Case Switches.
  - 2. NEMA PB 1 - Panelboards.
  - 3. NEMA ST 20 - Dry Type Transformers for General Applications.
- C. International Electrical Testing Association:
  - 1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.

### 1.3 SUBMITTALS

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Only request submittals needed to verify compliance with Project requirements.

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- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Shop Drawings: Indicate cable lengths and construction, circuit arrangements and directory, control system wiring diagram, connection diagram for external wiring, and details of conduit and wiring connections and terminations.
- C. Product Data: Submit electrical characteristics and connection requirements for unit and accessories.
- D. Test Reports: Indicate procedures and results.
- E. Manufacturer's Field Reports: Indicate activities on site, adverse findings, and recommendations.

### 1.4 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements {01700 - Execution Requirements}: Closeout procedures.
- B. Project Record Documents: Record actual locations of components and cables.
- C. Operation and Maintenance Data: Submit instructions for start-up and resetting unit, addition and modification of branch circuit arrangements, repair, and parts replacement.

### 1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years [documented] experience [,and with service facilities within [100] [\_\_\_\_\_] miles of project].

### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements {01600 - Product Requirements}: Product storage and handling requirements.
- B. Protect products from moisture and dust by storing in clean, dry location remote from areas involved in construction operations. Provide additional protection in accordance with manufacturer's instructions.

### 1.7 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 - Product Requirements {01600 - Product Requirements}.
- B. Do not install until building finishes are complete.