

SECTION 26 18 39 {16345}

MEDIUM-VOLTAGE MOTOR CONTROLLERS

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This section includes medium-voltage motor controllers using fuses to interrupt currents in excess of operating overloads and rated 6.6 kV or less (NEMA Class E2 controllers).

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, ARCAT at www.arcat.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at 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 to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes medium-voltage motor controllers and accessories.

1.2 REFERENCES

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

- A. American National Standards Institute:
 - 1. ANSI C37.46 - Special Power Fuses & Fuse Disconnecting Switches.
- B. National Electrical Manufacturers Association:
 - 1. NEMA ICS 3 - Industrial Control and Systems: Factory Built Assemblies.
 - 2. NEMA ICS 5 - Industrial Control and Systems: Control Circuit and Pilot Devices.
- C. International Electrical Testing Association:
 - 1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.

1.3 SUBMITTALS

Only request submittals needed to verify compliance with Project requirements.

- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Shop Drawings: Indicate outline dimensions, enclosure construction, lifting and supporting points, electrical single line diagram, and equipment electrical ratings.
- C. Product Data: Submit data for components and accessories.
- D. Test Reports: Indicate procedures and results for specified factory and field testing and inspection.

1.4 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements {01700 - Execution Requirements}: Closeout procedures.
- B. Project Record Documents: Include copy of manufacturer's certified drawings.
- C. Operation and Maintenance Data: Submit instructions for repair and maintenance of products.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years [documented] experience.
- B. Testing Agency: Company [member of International Electrical Testing Association and] specializing in testing products specified in this section with minimum [three] [_____] years [documented] experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements {01600 - Product Requirements}: Product storage and handling requirements.

Specify shipping split requirements where unusual obstructions, corridor configurations, or door widths interfere with switchboard handling at site.

- B. Deliver in [48] [_____] inch ([1.2] [_____] m) maximum width shipping splits, individually wrapped for protection and mounted on shipping skids.
- C. Lift only with lugs provided. Handle carefully to avoid damage to internal components, enclosure, and finish.