



Industrial Power Distribution

By Fehr, Ralph E.

Prentice Hall, 2001. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: (NOTE:Each chapter contains a Summary, Questions, and Problems section.) 1. Utility Source. Delivery Voltage. Source Configuration. Per-Unit Review. Short-Circuit Availability. Transformer Sizing. Primary Metering. 2. Medium Voltage Distribution. Voltage Selection. Transformer Connections. Transformer Phase Shifts. Grounding Transformers. Ferroresonance. Conductor Sizing. 3. Balanced Fault Calculations and Selection of Protective Equipment. Overview. Types of Faults. Data Preparation. First-Cycle Symmetrical-Current Calculations. Contact-Parting Symmetrical-Current Calculations. Power Circuit Breaker Selection. Fused Low-Voltage Circuit Breaker Selection. Molded-Case Circuit Breaker Selection. Medium-Voltage Fuse Selection. Current-Limiting Fuse Selection. Low-Voltage Fuse Selection. 4. Unbalanced Faults. Overview. Symmetrical Components. Sequence Impedances. Sequence Networks. Short-Circuit Faults. Open-Circuit Faults. 5. Raceway Design. Overview. Conduit and Duct Systems. Cable Tray Systems. 6. Switchgear and Motor Control Centers. Overview. NEMA Enclosures. Switchgear. Motor Control Centers. 7. Ladder Logic. Fundamentals. Considerations When Designing Logic. Logic Implementation. Seal-In Circuits. Interlocks. Remote Control and Indication. Reversing Starters. Jogging. Plugging. 8. Motors and Motor Starting. Review of Fundamentals. Cable Sizing. Motor Protection. Motor-Starting Methods. Variable Frequency Drives. 9. Shunt Capacitors. Overview. Configuration. Sizing and Placement. Capacitor Switching. Harmonics. Resonance. Protection. 10. Power Quality. Overview. Historical

Reviews

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