

RL Switchgear Maintenance

General Information

Course Code: SCT-EMRLSM1A
Length: 4 Days

Audience

For personnel involved in installation, operation, maintenance or testing of Siemens Type RL low voltage switchgear.

Profile

Proper methods for installing the equipment to assure satisfactory service and typical operations such as racking, charging, closing and tripping are explained, as well as how to respond should the breaker trip. Typical maintenance and parts replacement are also covered.

Objectives

Upon completion of this course, the student shall be able to:

- Identify Siemens Type RL Low Voltage switchgear and its components
- Perform maintenance checks on the various switchgear circuit breaker components
- Insert, rack, and lift a breaker
- Set and communicator with the Static Tripp III Protective Device
- Interpret Time Current Curve
- Perform maintenance operations such as Rack-Out, Lock-Out, Tag-Out, cleaning, lubrication, resistance testing
- Close and trip coils
- Replace spring charging motor
- Replace closing springs
- Replace Static Trip III

Topics

1. Introduction to Type RL Low Voltage Switchgear
2. Cubicle Structure and Components
3. Circuit Breaker Components
4. Cubicle and Circuit Breaker as a Unit
5. Static Trip III Protective Device
6. Maintenance
7. Parts Replacement