

Elevator Shunt Trip Switch

Reminders & Questions:

Are you still using shunt trip molded case circuit breakers for the required fire safety disconnection of elevator power?

Do you know that selective coordination is required for elevator power circuits and molded case circuit breakers don't comply?

Are you missing opportunities to submit "Change Orders" on elevator projects?

Are you creating liability for your company by not complying with elevator safety standards?

Most Important Areas To Remember

- Why do we need them? Safety
- If sprinklers are in the elevator shaft, you must remove power to the shaft before starting water flow



Code Compliance

Many engineers overlook the requirements of NEC 620.62 requiring selective coordination between upstream feeders and multiple elevator circuits. This required selective coordination is easily accomplished using fuses, but is impractical using circuits with instantaneous trip circuit breakers. The Fusible Elevator Shunt Trip Switch contains fuses to easily coordinate with upstream overcurrent protection. The Fusible Elevator Shunt Switch has all the options available to comply with ASME 17.1, NFPA 13, and NFPA 72, as well as the National Electrical Code. Maintaining a simple 2:1 ratio with our Amp-Trap 2000® fuses meets the selective coordination requirements. The shunt trip disconnects the elevator power before hazardous sprinkler flooding occurs during a fire or actuation.

Why Customers Are Buying

- Consulting Engineers are specifying Fusible Elevator Shunt Trip Switches to comply with National Electrical Code 620.62 requirement for Selective Coordination with upstream overcurrent devices. Shunt trip molded case breakers are non-selective above their instantaneous trip setting.
- Electrical Contractors are suggesting change orders to increase their project profit margin using Fusible Elevator Shunt Disconnect Switches. When the project is designed omitting the NEC required selective coordination for elevators, they can submit a proposed change order to make the design comply with the Code.
- Electrical Distributors are advising their customers that substituting shunt trip molded case breakers for the specified Fusible Elevator Shunt Trip Switches incurs significant fire safety liability.

- Electrical Distributors have determined that the most cost effective means for complying with the required code is with Fusible Elevator Shunt Trip Switches instead of circuit breakers that have electronic trips with selective coordination.
- Many engineers overlook the requirements of NEC 620.62 requiring selective coordination between upstream feeders and multiple elevator circuits.
- This required selective coordination is easily accomplished using fuses, but is impractical using circuits with instantaneous trips.
- The Fusible Elevator Shunt Trip Switch contains fuses to easily coordinate with upstream overcurrent protection.

Customers:

- Consultants ■ Contractors
- Distributors

us.ferrazshawmut.com