

# MERSEN APPLICATION SNAPSHOT: EMERGENCY SAFETY EQUIPMENT



## APPLICATION

Controls and coordination are key parts of Emergency Safety Equipment. The Mersen Elevator Shunt Trip (EST) provides a UL Listed industrial control panel with remote load-break disconnection capability to emergency circuits. For applications that require multiple elevator circuits, the Mersen Fused Coordination Panel (MFCP) localizes a fault to the nearest over-current device and selective coordination prevents unnecessary disconnection from other circuits in the system. The Mersen EST and MFCP make it easy to meet code and compliance for emergency systems.

## PRODUCT OVERVIEW

A system that is selectively coordinated will ensure that any fault condition is localized to the nearest overcurrent protective device. This increases system reliability and decreases downtime. Selective coordination is desired for all systems but is also mandatory per NEC for critical circuits:

- 620.62 – Elevator Circuits
- 700.27 – Emergency Systems
- 701.18 – Legally Required Standby Systems

## SOLUTIONS

Elevators are a means of egress during an emergency, which associates them with the “life safety” category of equipment. A selectively coordinated system is designed so that only the protective device nearest to the fault will trip, ensuring that other loads upstream of the device will keep operating. When multiple elevators fed from the same panel are selectively coordinated, even if a fault knocks out power to one elevator, the other elevators will continue to operate.



## DIGITAL TOOLS



- [Elevator Switch Datasheet](#)
- [Elevator Switch Brochure](#)
- [Mersen Minute Video: MFCP](#)
- [MFCP Datasheet](#)
- [MFCP Brochure](#)

## TECHNICAL LINKS

- [Selective Coordination Note 1: Evaluating Selective Coordination Between Current-Limiting Fuses & Non Current-Limiting Circuit Breakers](#)
- [Selective Coordination Note 2: Fuse Safe and Reliable vs Circuit Breaker](#)
- [Selective Coordination Note 3: Branch Circuit Reliability for Computer Rooms](#)

## CONTACT US

- Name
- Email
- Telephone