

Multi-Unit Fusible Shunt Trip Panel

Branch Circuit Protection

CONFIGURABLE PANELS

For large buildings with banks of 2 or more elevators, Mersen now offers a panel with up to six elevator protection and control modules. This greatly reduces wiring, installation time, footprint, and commissioning time. Recent code changes to the NEC article 620.51 now require that over voltage protection is installed on elevator circuits; premium and basic integral SPD options further reduce installation time and effort, while giving you flexibility.

Technical Data Overview	
Standard Dimensions for all configurations	40" X 17" X 96"
Short Circuit Current Rating (SCCR)	65kA
Bus Rating	1200A
SPD kA/mode	200kA or 75kA
Standard Options	Voltage monitoring relay, Oil-tight key-to-test 2 position selector switch, and (2) Form C auxiliary contacts per module/branch
Isolated neutral lug	Oversized 200% for excessive Non-Linear loads
Incoming Wire Ranges	Main Switch up to: (2) 600MCM Main Lug up to: (4) 600MCM
Outgoing wire ranges on branch circuits	30A/60A: Al/Cu #2-14 100A: Al/Cu 2/0-#6 200A: Al/Cu 350kcmil-#6 400A: Al/Cu (2x) 350kcmil-#4



FEATURES/BENEFITS

- All-in-one solution, with reduced installation time
- One panel to install up to six elevators, allows for fewer conductors and conduits
- Top or Bottom Feed, Main Fused Switch (400, 600A, or 800A) or Main Lug Only (MLO)
- Branch ratings of 30A, 60A, 100A, 200A, and 400A branch frame sizes available. Unit can accommodate up to (6) shunt trip switches of 200A or below, or up to (3) 400A units, or combinations thereof.
- Primary Voltage (208, 240, 480 or 600 VAC)
- Utilizes Mersen AJT class J fuses
- Premium SPD & basic SPD options
- Fire safety relay for control interface (3PDT Relay, choice of Coil Voltage: 120 VAC, 24 VDC or 24VAC)
- Oil-tight power enabled indicator light (choice of colors: red, green, yellow or white)
- Available in NEMA 1 & NEMA3R Enclosures

APPLICATIONS

- Most commonly used for elevator shafts and machine rooms to remotely disconnect main power prior to the sprinkler system activating; fuses are sized to protect the elevator motor.

APPROVALS/STANDARDS

- UL508A, UL489 (Molded case switch), UL98 (Main fusible disconnect switch), UL50 (Enclosure), UL1449 (SPD)

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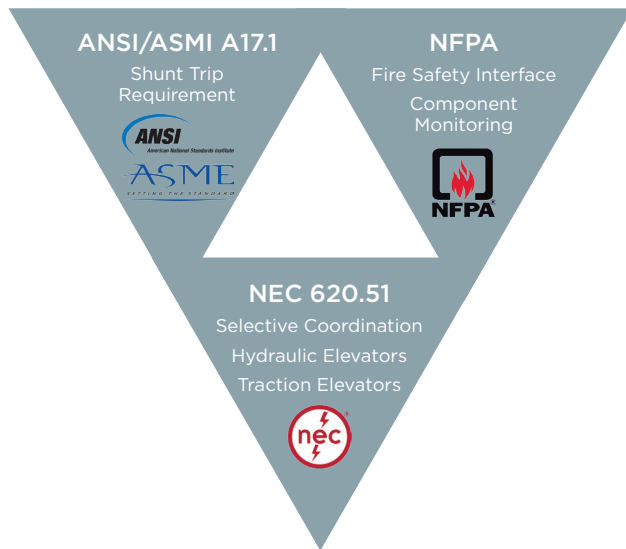
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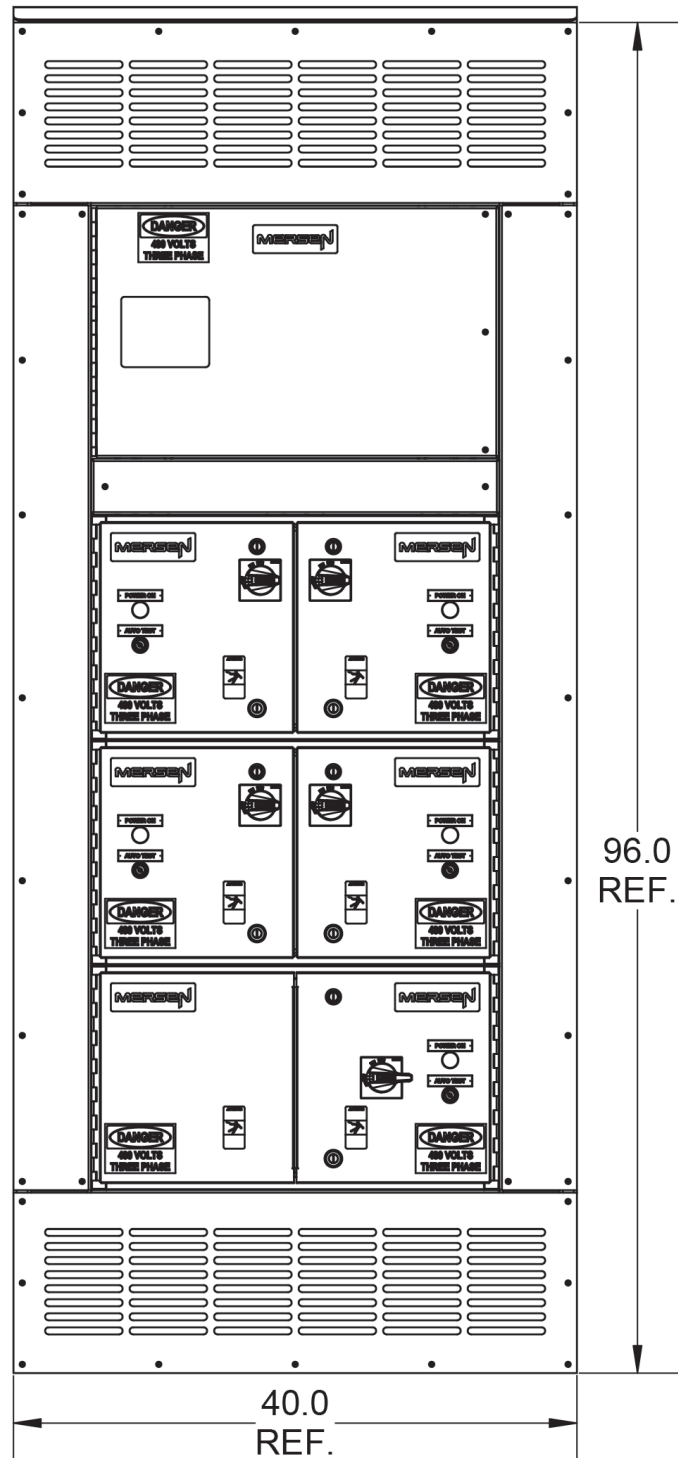
APPLICATION AND CODES

There are 3 different codes that must be met when installing elevator control systems. These switches provide a multi-code compliant solution in one factory assembled and tested unit: just connect the wires.

Additionally, in the event of a power loss where back-up power is introduced, you now need to meet NEC 620.51. This is done using aux contacts to prevent the elevator from descending down and injuring maintenance workers. It also allows passengers out on the next location in the event of an emergency.



DIMENSIONS



ADDITIONAL RESOURCES

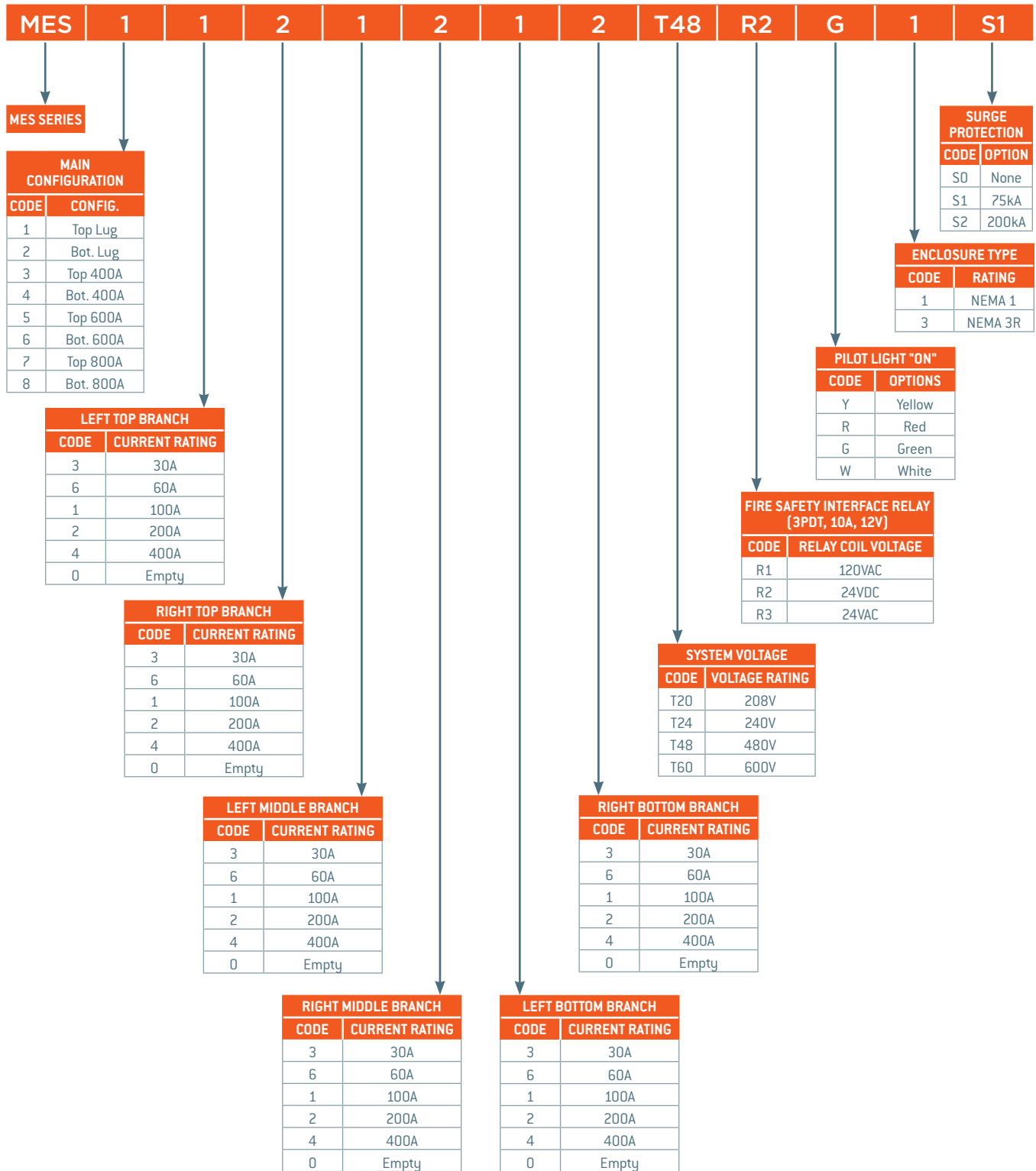
Web page, capabilities, and O&M Manual:

<https://ep-us.mersen.com/products/engineering/configurable-panels>

Contact your Mersen Sales Rep for access to the Online configuration tool and pricing

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CATALOG NUMBERING SYSTEM



Fire Alarm Voltage Monitoring Relay included in all Mersen offerings. No additional part suffixes required. [Competitor Options F1 and F3].

Standard 200% Rated Neutral.

Standard Key-to-test switch.

Standard Auxiliary contacts - (2) Form C Contacts per branch.

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