

Fused Coordination Panelboards

ENGINEERED SOLUTIONS

MEET CODE REQUIREMENTS WITH MERSEN'S FUSED COORDINATION PANELBOARDS (MFCP)

The next generation of Fused Coordination Panelboards is here with coordinated protection between overloads and short circuits. Mersen's Fused Coordination Panelboard (MFCP) does not require fuse replacement on common overload conditions and branch circuits can simply be reset. Mersen's Amp-Trap 2000[®] class CC and class J fuses ensure minimal fuse let-thru energies and makes it easy to provide system coordination with our easy 2:1 coordination ratios for short circuits. Mersen's fused selective coordination panelboard is a UL67 listed panelboard that utilizes our commonly available class CC and J fuses.



FEATURES:

Branch Circuit Protection:

- UL Fuse/Circuit Breaker combination
- Resettable overload protection
- True class J and CC protection

Only Three Branch Fuse Sizes:

- 15A to 30A → ATDR30
- 35A to 60A → AJT60
- 70A to 100A → AJT100

Width:

- 20" wide

Main Options:

- Main Lug Only (MLO)
- Main non-fused switch
- Main non-fused switch with fuses

Up to 42 Branch Circuits per Panel

Main Bus:

- Standard silver-plated copper, with optional tin-plated aluminum

Enclosures:

- NEMA 1, 12, 3R

Optional Features:

- UL 1449 Listed surge protection devices (required per NEC 700.8)
- Blown fuse indication (30A, 60A)

Mersen fused coordination panelboards are custom designed products. For catalog number selection please consult factory.

RATINGS:

- **Volts:** 120/208V, 3Ø, 4-wire; 120/240V, 1Ø, 3-wire; 277/480V, 3Ø, 4-wire; 347/600V, 3Ø, 4-wire
- **Amps:** Main Bus Ampacity ranges from 250A to 400A
- **Number of Circuits:** Up to 2 circuits
- **SCCR:** 200kA@600V

APPROVALS:

- UL 67 Listed Panelboard
- UL 50 Listed Enclosure

Meets NEC[®] selective coordination code requirements for the following power systems:

- 700.8 (Emergency)
- 700.27 (Legally Required Standby)
- 708.54 (Critical Operations)

STANDARD PANEL HIGHLIGHTS

- Easy selectivity ratios with upstream fuses
- Voltage: 120/208, 120/240, 277/480, 347/600
- Main Bus: 250A or 400A
- Main Disconnect: MLO, Fused Main or Non-Fused Main
- SCCR: 200kA
- Surge Protection (SPD) optional
- Up to 42 branch circuits per panel
- Standard 20" wide
- Feed through lugs optional
- Surface mount
- Uses commonly available class CC & J fuses

MAIN

- Up to 400A Fused Main Disconnect
- Allows for panel isolation
- Lockout provision
- Visible contacts
- Interlocked with cover

AJT AMP-TRAP 2000[®] FUSES MAIN FUSE

- Time Delay
- 2:1 coordination ratio
- 600VAC interrupting rating 200kA

BRANCH CIRCUITS

- Circuit breaker opens overloads up to 2 times circuit rating
- ATDR, AJT fuses open short circuit currents
- Fuseholder interlocked to prevent opening while energized.
- Circuits up through 100A 1, 2 & 3 pole.
- True Class J and CC protection.

DIMENSIONS (STANDARD NEMA 1 ENCLOSURES)

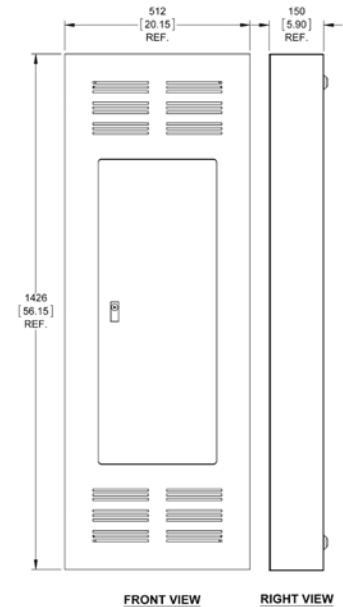
For standard panels:

Width = 20 inches Depth = 6 inches

Height varies depending on number of circuits and main options.

NEMA 1 ENCLOSURE SPECIFICATIONS

- Tub: Galvanized unpainted steel. One endwall is provided with knockouts, and the other endwall is blank.
- Door: Equipped directory card, flush mount lock
- Trim and Door Finish: ANSI 49 grey baked enamel electrodeposited over cleaned, phosphatized steel



HIGHER RATED PANELS AND BRANCHES

For panels with circuits requiring ratings greater than 100A, Mersen offers a 38" wide panel with fusible switches for over-current protection. These panels can house up to two 20-circuit MFCP panels within it, in addition to fusible switches of up to 600A in various combinations.



- Main Bus Ratings: 600A, 800A, 1200A
- Main Device Ratings: MLO, Fused main disconnect of 600A, or 800A
- Fusible Branch Device Ratings*: 200A, 400A, 600A

*Branch ratings can be fused at standard fuse size increments in between these ratings and meet 2:1 coordination ratios.