

**MPD-MDS-CB-208Y.120-3P-8000A-N1-M1**

**8000A Switchboard w/ 8000A Circuit Breaker - 208Y/120 3PH 4W, 60Hz - NEMA Type 1**

**Product ID: 317591**

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



**Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.**

**MPD-MDS-CB-208Y.120-3P-8000A-N1-M1 Industrial Switchboard**

Unit Type: Switchboard with Main Circuit Breaker  
Bus Max Amp Rating: 8000 Amps  
Input: N/A  
Fuses: N/A  
Receptacles: Included, GFCI  
Bus Voltage Rating: 208Y/120 AC Wye-N, 3PH, 60Hz  
Wiring Configuration: 4-Wire  
Poles: 4-Poles  
Bus Max Available Fault Current (RMS): 65 kAIC  
Incomer Main Circuit Breaker Rating: 8000AT/8000AF LSIG, w/ Shunt Trip coil  
Incomer Current Transformer: Included, (3) Current Transformers

**Ratings/Features**

NEMA Type 1 Enclosure  
Rodent Barrier  
24V Trip Unit Display Power  
Certified to UL Dead front Switchboard Standards  
24/7 Utility Lockable and Accessible

**Outgoing Panels:**

Panel #1: (1) 4000AT/4000AF-3P-65 kAIC CB, (1) 20AT-1P-10 kAIC CB, and (1) 15AT-1P-10 kAIC CB  
Panel #2: (2) 4000AT/4000AF-4P-65 kAIC LSIG CBs, Terminal Lugs 12 sets of 750kcmil Copper and 1x350 kcmil Ground Each  
Panel #3: Tie Breaker Panel  
Panel #4: (2) 4000AT/4000AF-4P-65 kAIC LSIG CBs, Terminal Lugs 12 sets of 400kcmil Copper and 1x350 kcmil Ground Each

Protection: Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault, Over Current Trip Switch  
Surge Protection Device: Included  
Display: N/A  
Aux Contacts: (4) Form C  
Ground Bus: 1/4 x 2 IN copper, continuous over length of switchboard and solidly

grounded to each vertical section structure  
Temperature Rise: 65°C  
Thermostat: Included, Strip Type  
Space Heaters: Included, Thermostatically Controlled  
Terminal Blocks: Included  
Contact Wear Indication: Visual  
Ground Lug: Provided  
Bus Material: Silver Plated Copper  
Enclosure Material: Coated Steel  
Entry Point: Front Access  
Connection Type: Cable  
Phase Wire Range: TBD  
Enclosure Type/Rating: Non-walk-in NEMA 1, Weatherproof  
Enclosure Paint Color: ANSI 49  
Mounting Type: Floor Mounted  
Dimensions: 168" W x 96" H x 48" D  
Weight: 1,405 lbs

Larson Electronics manufactures a wide variety of custom power distribution systems. The pictures displayed for this unit are a general representation of form factor and may not accurately represent this exact configuration in every detail due to being custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

**Special Orders - Special Requirements**

Contact us for special requirements  
Intl: 1-903-270-1187  
Toll Free: 1-800-369-6671  
Fax: 1-903-498-3364  
E-mail: [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The MPD-MDS-CB-208Y.120-3P-8000A-N1-M1 from Larson Electronics is a Switchboard with Circuit Breaker for power distribution systems. This 8,000-amp rated power distribution unit is compatible with three-phase 208Y/120 AC Wye-N, 60Hz. Equipped with an open-bottom configuration, the system is encased in a NEMA Type 1 enclosure that is painted ANSI 49.**

The MPD-MDS-CB-208Y.120-3P-8000A-N1-M1 AC is designed for power distribution in industrial facilities. This 3-wire unit operates with three-phase 208Y/120V Wye-N, 60Hz. With a 8000-amp system ampacity, the switchboard with circuit breaker has an 65kA RMS short circuit rating and four, form c auxiliary contacts with visual contact wear indication. Protective features include: ammeter trip unit, long time, short time, instantaneous, ground fault, over current trip switch and rodent barrier. This system contains a 24V trip unit display power. The Type 1 unit comes with ground lugs and is painted ANSI 49.

**Wiring:** The MPD-MDS-CB-208Y.120-3P-8000A-N1-M1 accepts cable connections with a phase wire range of 3/0 - 750 kcmil.

**Mount:** The MPD-MDS-CB-208Y.120-3P-8000A-N1-M1 can be securely mounted to any flat surface. This non-walk-in system is accessible through the front with a left of lineup through the bottom entry point.

**Applications:** Residential and light commercial applications, air conditioning units and any other power distribution systems that require overload breaker protection.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com) for more information about our custom options tailored to meet your specific industry needs.

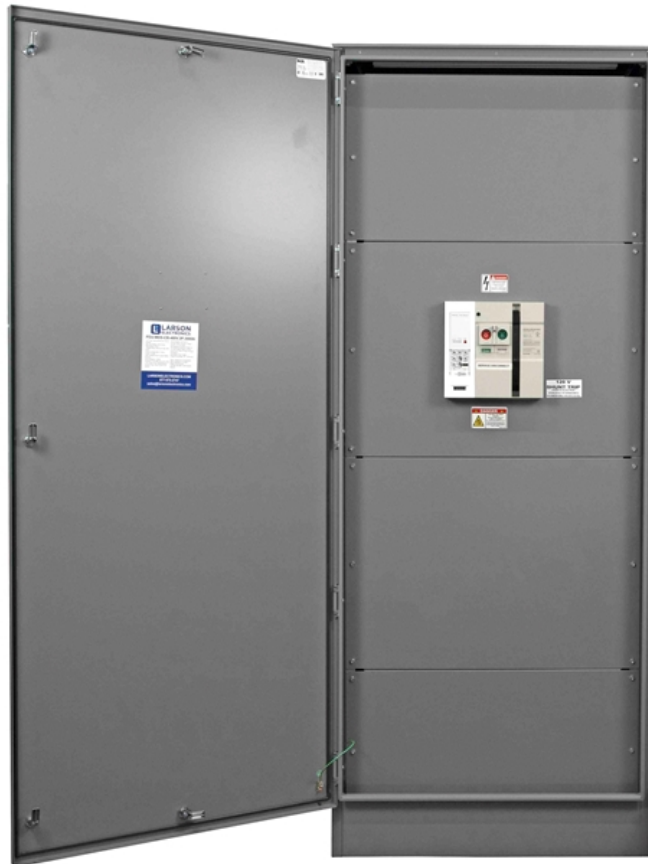
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## Frequently Asked Questions (FAQ)









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