Larson Electronics LLC
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MPD-MDS-CB-480Y.277-3P-800A-N1-M3

1000A Switchboard w/ 800A Main Circuit Breaker - 480Y/277V 3PH, 4W, 60Hz - NEMA 1

Product ID: 331249

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



Image: MPD-MDS-CB-480Y.277-3P-800A-N1-M3

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-480Y.277-3P-800A-N1-M3 Industrial Switchboard

Unit Type: Switchboard with Main Circuit Breaker
Bus Max Amp Rating: 1000 Amps
Input: N/A
Fuses: N/A
Receptacles: Included, GFCI
Bus Voltage Rating: 480Y/277V AC Wye, 3PH, 60Hz
Wiring Configuration: 4-Wire
Poles: 3-Poles
Bus Max Available Fault Current (RMS): 65kAIC
Incomer Main Circuit Breaker Rating: 800A MCCB
Incomer Current Transformer: Included, (1) 800:5 Ratio
Outgoing(s): (2) 450A 3P MCCB [480V]; (4) 60A 3P MCCB [480V]; (3) 50A 3P MCCB [480V]; (2) 40A 3P MCCB [480V]; (5) 30A 3P MCCB [480V]; (3) 20A 3P MCCB [480V]; (1) 20A 2P MCB [480V]; (1) 20A 1P MCB [480V]
Protection: Ammeter Trip Unit, Long Time, Short Time, Instantaneous, Ground Fault, Over Current Trip Switch
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

Ratings/Features

NEMA Type 3R Enclosure
Rodent Barrier
24V Trip Unit Display Power
Certified to UL Dead front Switchboard Standards

Temperature Rise: 65ºC
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: 3/0 - 750 kcmil
Enclosure Type/Rating: Non-walk-in NEMA 3R, Weatherproof
Enclosure Paint Color: ANSI 49
Mounting Type: Floor Mounted
Dimensions: 36.00" W X 47.5" D X 91.5"H
Weight: 1405 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: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MPD-MDS-CB-480Y.277-3P-800A-N1-M3 from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 1000-amp rated power distribution unit is compatible with three-phase 480Y/277 VAC Grounded Wye, 60Hz. Equipped with an open-bottom configuration, the system is encased in a NEMA Type 3R enclosure that is painted ANSI 49.

The MPD-MDS-CB-480Y.277-3P-800A-N1-M3 AC is designed for power distribution in industrial facilities. This 4-wire unit operates with three-phase 480Y/277V AC Wye, 60Hz. With a 800-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 NEMA Type 3R unit comes with ground lugs and is painted ANSI 49.

Wiring: The MPD-MDS-CB-480Y.277-3P-800A-N1-M3 accepts cable connections with a phase wire range of 3/0 - 750 kcmil.

Mount: The MPD-MDS-CB-480Y.277-3P-800A-N1-M3 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 for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

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