Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-MDS-CB-480Y.277-3P-100A-N3R-M1

100A Switchboard w/ 100A Main Circuit Breaker - 480Y/277V 3PH, 4W, 60Hz - NEMA 3R

Product ID: 316292

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-480Y.277-3P-100A-N3R-M1 Industrial Switchboard

Unit Type: Switchboard with Main Circuit Breaker
Bus Max Amp Rating: 100 Amps
Input: N/A
Fuses: N/A
Receptacles: Included, GFCI
Bus Voltage Rating: 480Y/277 AC Wye-N, 3PH, 60Hz
Wiring Configuration: 4-Wire
Bus Max Available Fault Current (RMS): 22 kAIC
Incomer Main Circuit Breaker Rating: 100A
Incomer Current Transformer: Included, (1) 100:5 Ratio
Outgoing(s): 75C Rated Breakers
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
Temperature Rise: 65°C
Thermostat: Included, Strip Type
Space Heaters: Included, Thermostatically Controlled
Terminal Blocks: Included

Ratings/Features

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

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: 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: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The MPD-MDS-CB-480Y.277-3P-100A-N3R-M1 from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 100 - amp rated power distribution unit is compatible with three-phase 480Y/277V AC Wye-N, 60Hz. Equipped with an open-bottom configuration, the system is encased in a NEMA 3R enclosure that is painted ANSI 49.
The MPD-MDS-CB-480Y.277-3P-100A-N3R-M1 AC is designed for power distribution in industrial facilities. This 4-wire unit operates with three-phase 480Y/277V AC Wye-N, 60Hz. With a 100-amp system ampacity, the switchboard with circuit breaker has a 22kA 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 3R unit comes with ground lugs and is painted ANSI 49.
Wiring: The MPD-MDS-CB-480Y.277-3P-100A-N3R-M1 accepts cable connections with a phase wire range of 3/0 - 750 kcmil.
Mount: The MPD-MDS-CB-480Y.277-3P-100A-N3R-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 for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)

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