

MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6

1600A Switchboard w/ 1600A Main Circuit Breaker - 480Y/277 3PH, 4W, 60Hz - NEMA 3R

Product ID: 333773

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-1600A-N3R-M6

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-1600A-N3R-M6 Industrial Switchboard

Unit Type: Switchboard with Main Circuit Breaker

Bus Max Amp Rating: 1600 Amps

Input: 480Y/277V AC Source

Fuses: N/A

Receptacles: Included, GFCI

Bus Voltage Rating: 480Y/277 AC Wye-N, 3PH, 60 Hz

Wiring Configuration: 4-Wire

Poles: 3-Poles

Max Available Fault Current (Rms): 65 kA

Minimum Interrupting Rating: 65 kA

Incomer Main Circuit Breaker Rating: 1600AF/1600AT 600V Rated Circuit Breaker

Incomer Current Transformer: Not Included (Optional)

Incomer Potential Transformer: Not Included

Outgoing(s):

- (2) 300A, 3P Circuit Breakers
- (2) 200A, 3P Circuit Breakers
- (2) 60A, 3P Circuit Breakers
- (1) 90A, 3P Circuit Breaker

Spare Breaker:

- (1) 300A, 3P

Ratings/Features

NEMA Type 3R Enclosure

Rodent Barrier

24V Trip Unit Display Power

Certified to UL Dead front Switchboard Standards



- (1) 200A, 3P
- (1) 90A, 3P

Protection: Thermal Magnetic Trip, Long Time and Instantaneous Protection

Surge Protection Device: Included (480Y/277V, 3PH, 4W)

Metering Device: Not Included (Optional)

Display: Not Included

Aux Contacts: Optional

Control Wire Type: SIS

Ground Bus: Aluminum

Neutral Bus: 100%

Thermostat: Optional

Space Heaters: Optional

Terminal Blocks: Included

Contact Wear Indication: Visual

Ground Lug: Provided

Bussing: Aluminum Plated W/Tin And Copper Plated W/Silver

Enclosure Material: Coated Steel

Accessibility: Front Access

Entry Point: Left Of Lineup, Through The Bottom

Connection Type: Cable

Phase Wire Range: TBD

Enclosure Type/Rating: Non-walk-in NEMA 3R, Weatherproof

Enclosure Paint Color: ANSI 49

Mounting Type: Floor Mounted

Dimensions: TBD

Weight: TBD

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-1600A-N3R-M6 from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 1600-amp rated power distribution unit is compatible with three-phase 480Y/277V AC Wye-N, 60Hz. Equipped with a bottom cable entry configuration, the system is encased in a NEMA Type 3R enclosure that is painted ANSI 49.

The MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6 AC is designed for power distribution in industrial and commercial facilities. This 4-wire unit operates with three-phase 480Y/277V Wye-N, 60Hz. With a 1600-amp system ampacity, the switchboard features a 65 kA RMS short circuit rating and a 1600A main circuit breaker. The distribution section includes multiple 3-pole branch circuit breakers (300A, 200A, 90A, and 60A) along with spare breakers for future expansion. Protective features include thermal magnetic trip protection with long time and instantaneous functions, as well as an integrated surge protection device (SPD) for enhanced system protection. The NEMA Type 3R enclosure is weatherproof, includes a full-size neutral and ground bus, and is designed for durability in outdoor environments.

Mount: The MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6 can be securely floor mounted on any level surface. This non-walk-in system is accessible from the front and supports bottom cable entry for streamlined installation.

Applications: Industrial facilities, commercial buildings, distribution systems, motor loads, HVAC systems, and any application requiring reliable 480Y/277V three-phase power distribution with branch circuit 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)

There are no Faqs



Image: MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6



Image: MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6

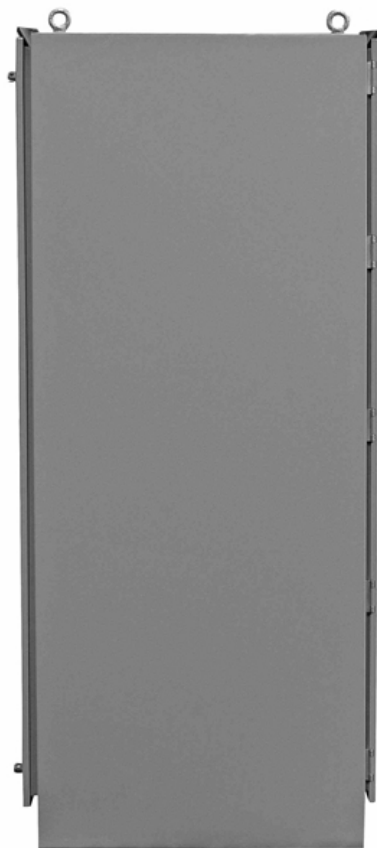


Image: MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6



Image: MPD-MDS-CB-480Y.277-3P-1600A-N3R-M6



Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/333773.JPG>)
- **HigResPic2**(<https://www.larsonelectronics.com/images/product/HigResPic2/333773.JPG>)
- **HigResPic3**(<https://www.larsonelectronics.com/images/product/HigResPic3/333773.JPG>)
- **HigResPic4**(<https://www.larsonelectronics.com/images/product/HigResPic4/333773.JPG>)
- **HigResPic5**(<https://www.larsonelectronics.com/images/product/HigResPic5/333773.JPG>)
- **HigResPic6**(<https://www.larsonelectronics.com/images/product/HigResPic6/333773.JPG>)
- **HigResPic7**(<https://www.larsonelectronics.com/images/product/HigResPic7/333773.JPG>)
- **HigResPic8**(<https://www.larsonelectronics.com/images/product/HigResPic8/333773.JPG>)
- **Video1**(<https://www.youtube.com/watch?v=Ua6P4b84gPw>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)