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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R

800A Switchboard w/ 800A Main Circuit Breaker - 480Y/277V 3PH, 4W, 60Hz - (10) 3P MCCBs, N3R

Product ID: 335285

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-10X3P.MCCB-N3R

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-10X3P.MCCB-N3R Industrial Switchboard

Unit Type: Switchboard with Main Circuit Breaker
Bus Max Amp Rating: 800 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-Pole
Bus Max Available Fault Current (RMS): 42 kAIC
Incomer Main Circuit Breaker Rating: 800AS/800AT
Incomer Current Transformer: Included, (1) 800:5 Ratio
Circuit Breakers: (10) 100A 3P 480V MCCB
Interrupting Rating: 65 KAIC
Outgoing(s): (3) 400AS/400AT, (2) 200AS/200AT
Protection: 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

Ratings/Features

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

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-10X3P.MCCB-N3R from Larson Electronics is a Switchboard with Main Circuit Breaker for power distribution systems. This 800-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-10X3P.MCCB-N3R AC is designed for power distribution in industrial facilities. This 4-wire unit operates with three-phase 480Y/277V AC Wye, 60Hz. With an 800-amp system ampacity, the switchboard with circuit breaker has a 42 kA 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, overcurrent trip switch and rodent barrier. A total of ten 3-pole 100-amp 480V molded case circuit breakers are available in the unit. 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-10X3P.MCCB-N3R accepts cable connections with a phase wire range of 3/0 - 750 kcmil.

Mount: The MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R 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.

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R

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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664



Image: MPD-MDS-CB-480Y.277-3P-800A-10X3P.MCCB-N3R

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1** (https://www.larsonelectronics.com/images/product/HigResPic1/335285.JPG)
- **HigResPic2** (https://www.larsonelectronics.com/images/product/HigResPic2/335285.JPG)
- **HigResPic3** (https://www.larsonelectronics.com/images/product/HigResPic3/335285.JPG)
- **HigResPic4** (https://www.larsonelectronics.com/images/product/HigResPic4/335285.JPG)
- **HigResPic5** (https://www.larsonelectronics.com/images/product/HigResPic5/335285.JPG)
- **HigResPic6** (https://www.larsonelectronics.com/images/product/HigResPic6/335285.JPG)
- **HigResPic7** (https://www.larsonelectronics.com/images/product/HigResPic7/335285.JPG)
- **HigResPic8** (https://www.larsonelectronics.com/images/product/HigResPic8/335285.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)