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MPD-PNL-3P-MCB-200A-480Y.277V-3X3P.B-N3R-M2

Power Distribution Panel, 480Y/277V AC Wye-N 3-Phase, 200A Main Circuit Breaker, (1) 125A + (1) 50A 3-Pole Branch Breakers, NEMA 3R

Product ID: 341389

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



Image: MPD-PNL-3P-MCB-200A-480Y.277V-3X3P.B-N3R-M2

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-PNL-3P-MCB-200A-480Y.277V-3X3P.B-N3R-M2 Power Distribution Panel

Unit Type: Power Distribution Panel, Main Circuit Breaker Panel

Configuration: 3-Phase
Panel Rating: 200A, 480Y/277V AC Wye-N, 3-Phase
Line-In: Customer-Provided
Feed Type: Top or Bottom
Main Breaker: (1) 200A, 3-Pole MCCB
Branch Breakers: (1) 125A, 3-Pole MCCB; (1) 50A, 3-Pole MCCB
Short Circuit Rating: 35kA Symmetrical
Main Lugs: Sized for (3) 3/0 AWG Copper Conductors
Bus Material: Copper
Ground Bus: Copper, Bonded to Enclosure, Sized for 6 AWG per NEC Table 250.122
Neutral Bus: Copper, Fully Rated (200A), Sized for 3/0 AWG, Isolated/Insulated from Enclosure
Branch Breaker Terminations: 125A Branch Sized for #1 AWG CU; 50A Branch Sized for #6 AWG CU
Ground Bar Material: Aluminum, Bolted
Operating Temperature: 40°C
Enclosure Type: NEMA 3R

Made in the USA

Features of Every Assembly
Lockable Opening
Slim-Profile, Space-Saving Enclosure
Bolt-On Breaker Construction

Construction
Steel Enclosure, Rectangular Slim-Profile Form Factor
Compatible with Plug-In Mounting Configurations

Ratings & Approvals
UL 1640 Power Distribution Equipment
NEMA 3R Indoor or Outdoor Use

Dimensions & Shipping
Overall Dimensions: 60 in H × 27.5 in W × 8.5 in D
Approximate Weight: 200 lbs (estimated)
Shipping Dimensions: TBD
Shipping Weight: TBD

Shipping
Shipped on Pallet or Skid
Crated Shipment Available Upon Request

Special Features
Field-Configurable Branch Breaker Schedule, Bolt-On Breaker Construction

Special Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
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Customer Compliance
Final arrangements, sizes, ratings, settings, configuration, and installation details will be finalized during detailed engineering review and customer approval prior to release for manufacture.

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 applicable drawings.

Made in the USA

The Larson Electronics MPD-PNL-3P-MCB-200A-480Y.277V-3X3P.B-N3R-M2 Power Distribution Panel is designed for reliable, safe, and convenient power distribution at industrial and commercial work sites. This 200-amp unit provides 480Y/277V AC Wye-N three-phase distribution through a main circuit breaker panel, configured with two field-specified branch breakers for downstream load distribution.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

The **MPD-PNL-3P-MCB-200A-480Y.277V-3X3P.B-N3R-M2** power distribution panel provides a safe and reliable way for operators to tap into and distribute 480Y/277V AC Wye-N power from a variety of sources, including generators and direct grid power. The panel requires customer-provided line-in cabling, with knockouts provided for convenient field installation. Feed orientation is configurable, top or bottom.

Breaker Configuration:
The panel is equipped with one 200A, 3-pole main circuit breaker, together with two branch circuit breakers: one 125A, 3-pole unit and one 50A, 3-pole unit, both bolt-on construction. The assembly carries a 35kA symmetrical short circuit rating.

Bus System:
The panel utilizes a copper main bus rated to match the 200A panel rating, with main lugs sized for three 3/0 AWG copper conductors. A copper ground bus, bonded to the enclosure

and sized for 6 AWG per NEC Table 250.122, is provided along with a fully rated, 3/0 AWG-sized, insulated copper neutral bus isolated from the enclosure. Branch breaker terminations are sized for #1 AWG copper (125A branch) and #6 AWG copper (50A branch).

Enclosure Design:
The panel is housed in a space-saving NEMA 3R enclosure providing protection against dust, dirt, and moisture for indoor and outdoor locations. Constructed of steel, the enclosure features a slim, rectangular profile compatible with plug-in mounting configurations, along with a lockable opening to deter tampering.

Construction:
The enclosure and internal bus structure are steel and copper construction throughout, rated for continuous operation at 40°C ambient.

Special Features:
Field-configurable branch breaker schedule, bolt-on breaker construction, lockable enclosure opening.

Ratings & Approvals:
Built in accordance with UL 1640 for power distribution equipment. NEMA 3R rated for indoor and outdoor use. All grounding complies with applicable state and local codes and NEC Section 250.

Customer Compliance:
The final arrangements, sizes, ratings, settings, configuration, and installation details of this equipment will be established in accordance with detailed engineering review, applicable project documentation, and customer approval prior to manufacture.

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 applicable drawings.

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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