

MPD-PNL-3P-MCB-400A-415V-4X3P.MCCB-N3R

Power Distribution Panel - 415V AC 3PH 4W - 400A MCCB - (4) 3P MCCB Circuits - 100A, 125A, 160A & 200A - 630A Busbar - NEMA 3R

Product ID: 342221



Image: MPD-PNL-3P-MCB-400A-415V-4X3P.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-PNL-3P-MCB-400A-415V-4X3P.MCCB-N3R Power Distribution Panel

Line In: Customer Provided

Max Primary OCP: 400A @ 415V AC

Panel: 400A, 415V AC, 3PH, 4W, NEMA 3R

Circuits: (4) 3P MCCB Circuits

Breakers: (1) 400A 3P MCCB, (1) 100A 3P MCCB, (1) 125A 3P MCCB, (1) 160A 3P MCCB, (1) 200A 3P MCCB

Breaker Type: MCCB

Feed Type: Bottom

Interrupting Rating: 25 KAIC

Operating Temperature: 40°C

Materials: Steel, Aluminum

Bus Material: Aluminum

Ground Bar Material: Aluminum (Bolted)

Form Factor: Rectangular, Stand-Mounted Double-Door Enclosure w/ Extended Weather Canopy

Input Wire Size: -

Dimensions: -

Weight: -

Shipping Weight: -

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.

Ratings

UL 1640 Power-Distribution Equipment

NEMA 3R Indoor or Outdoor Use

Made in the USA

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

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

The Larson Electronics MPD-PNL-3P-MCB-400A-415V-4X3P.MCCB-N3R Power Distribution Panel is designed for reliable, safe and convenient power distribution at industrial work sites. This 400-amp unit provides 415V AC, 50Hz, three-phase, four-wire power via a main molded case circuit breaker. The power distribution panel provides operators the ability to safely tap into and distribute 415V AC power from a variety of sources including generators and direct grid power.

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

The MPD-PNL-3P-MCB-400A-415V-4X3P.MCCB-N3R power distribution panel provides a safe and reliable way for operators in industrial settings to tap into and utilize power sources independently of the work area. The power distribution panel requires operators to provide their own line-in cables for use. A detachable bottom gland plate is provided for convenient installation and termination of operator-provided cables.

The panel is designed to operate with 415V AC, 50Hz, three-phase, four-wire power. Power distribution for this panel runs through a 400-amp, three-pole main molded case circuit breaker and a 630-amp aluminum busbar system. The main circuit breaker panel contains four outgoing three-pole molded case circuit breaker circuits, consisting of one 100-amp MCCB, one 125-amp MCCB, one 160-amp MCCB and one 200-amp MCCB. The 100-amp outgoing feeder is equipped with a suitable timer, contactor and associated accessories for street light control.

Enclosure Design: This power distribution panel is housed in a stand-mounted, double-door NEMA 3R enclosure for protection against rain, sleet, snow, dust and dirt in indoor and outdoor locations. Constructed of steel, the enclosure features 2 mm thick MS sheet for load-bearing sections and 1.6 mm thick MS sheet for other body sections. The unit is finished with a durable powder-coated exterior and includes an extended weather canopy projecting approximately 100 mm beyond the front and two adjacent sides to help prevent water spillage and ingress. Adequate internal space is provided for cable movement, routing and termination.

Metering & Indication: The panel is equipped with a digital multifunction meter on the incomer for monitoring kWh, voltage, current, power factor and other electrical parameters. A digital voltmeter with selector switch is provided on the incomer, while each outgoing feeder is equipped with a digital ammeter and selector switch. R-Y-B phase indication is provided along with ON, OFF and TRIP status indication for the main incomer and ON, OFF and TRIP LED indication for each outgoing MCCB feeder.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. All equipment is NEMA 3R rated for indoor and outdoor use and provide a degree of protection against dirt, water, and ice. NEMA 4 and NEMA 4X equipment can be equipped upon request.

Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; construction sites, plant maintenance, plant turnarounds, hazardous location operations, shows, exhibits, and shipyard operations.

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