Larson Electronics LLC
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## MPD-PNL-MCB-3P4W-120.208V-150A-12.5K-WM-N1-DF-M1

# Distribution Panel, Panel-Level Circuit Breaker Configuration, 3-Ph, 4-Wire, Single Incoming Main, 120/208V, 150A, 12.5 kA, Wall/Surface-Mounted, NEMA 1, Dead Front, Model 1

**Product ID: 341275**

Image: MPD-PNL-MCB-3P4W-120.208V-150A-12.5K-WM-N1-DF-M1

**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-MCB-3P4W-120.208V-150A-12.5K-WM-N1-DF-M1 Distribution Panel**

**Made in the USA**

**Unit Type:** Panel-Level Circuit Breaker Distribution Panelboard

**Configuration**
**Configuration:** 3-Phase, 4-Wire, Dead Front
**Voltage:** 120V (L-N) / 208V (L-L)
**Main Bus Capacity:** 150A
**Main Overcurrent Device:** 150A, Main Circuit Breaker
**Short Circuit Rating:** 12.5kA Symmetrical
**Mounting Configuration:** Wall/Surface Mounted
**Enclosure Type:** NEMA 1

**Features of Every Assembly**
Dead Front Construction
Surface-Mounted Enclosure
Plug-In/Bolt-On Branch Breaker Provisions
Copper Bus Bars

**Branch Circuit Breaker Complement**

(4) 3-Pole Spare Positions: 50A, 30A, 20A, 20A

(5) 2-Pole Spare Positions: 20A, 20A, 20A, 30A, 50A

(8) 1-Pole Spare Positions: 30A, 20A ×7

30 Branch Circuit Positions Provisioned (17 breakers total); 2 positions unoccupied

**Ratings & Approvals**
Designed in accordance with applicable UL, NEMA, and NEC standards
NRTL Listed Panelboard Assembly
All grounding shall comply with applicable NEC and local electrical codes

**Construction**
Surface-Mounted Enclosure, NEMA 1
Dead Front Panel Cover
Copper Bus, Bolted Connections
Bottom Cable Entry and Exit

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**Dimensions & Shipping**
**Overall Dimensions**: 20 in W × 6 in D × 44 in H (estimated)
**Approximate Weight:** 180 lbs (estimated)
**Shipping Dimensions:** TBD
**Shipping Weight:** TBD

**Shipping**
Shipped on pallet or skid
Crated shipment available upon request
Final shipping configuration subject to approved design

**Special Features**
Standard Panelboard Configuration

**Special Orders – Special Requirements**
Contact us for special requirements
**Toll Free:** 1-800-369-6671
**Intl:** 1-903-270-1187
**Fax:** 1-903-765-7664
**E-mail:** sales@larsonelectronics.com

**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-MCB-3P4W-120.208V-150A-12.5K-WM-N1-DF-M1 Distribution Panel is designed to provide reliable branch circuit power distribution for commercial and light industrial electrical systems. This assembly consists of one incoming 150A main circuit breaker, thirty branch circuit positions across seventeen provisioned breakers, a copper bus system, and a dead front NEMA 1 enclosure. Designed for operation on 120/208VAC, three-phase, four-wire systems, the unit provides a safe and dependable indoor power distribution solution for wall/surface-mounted installation.**

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

The **MPD-PNL-MCB-3P4W-120.208V-150A-12.5K-WM-N1-DF-M1** is engineered for branch circuit distribution applications requiring a centralized main disconnect and multiple provisioned outgoing circuit positions. The assembly incorporates a molded case main circuit breaker, panel-level branch circuit breaker provisions, and a copper bus system within a compact wall/surface-mounted enclosure suitable for indoor commercial and light industrial installations.

**Main Section**
The main section incorporates one 150A, three-pole main circuit breaker providing overcurrent protection for the panel bus. The main breaker is rated with a minimum interrupting capacity of 12.5kAIC and serves as the single incoming connection point for the assembly.

**Branch Circuit Breaker Complement**
The branch section provides thirty circuit positions across seventeen provisioned breakers: four three-pole positions rated 50A, 30A, and two at 20A; five two-pole positions rated 20A (three positions), 30A, and 50A; and eight single-pole positions rated 30A and 20A (seven

positions). Positions are provisioned per the approved panel schedule to accommodate current and future branch circuit loads.

**Bus System**
The panelboard utilizes a 150A copper main bus together with associated neutral and ground bus provisions. The bus structure incorporates dead front construction to enhance operator safety while providing reliable current distribution throughout the assembly.

**Assembly Construction**
The distribution panel is furnished as a complete wall/surface-mounted assembly incorporating the main circuit breaker, branch circuit breaker provisions, copper bus system, and a front-accessible operating compartment. The integrated design provides an organized solution for incoming service distribution and downstream branch circuit connections.

**Construction**
The enclosure is fabricated from steel and finished for indoor service applications. The assembly incorporates dead front construction, a lockable front door, front-accessible operation, bottom cable entry and exit provisions, and a NEMA 1 enclosure designed for indoor installations.

**Special Features**
Special features include a copper main bus, dead front construction, front-accessible operation, and wall/surface-mounted NEMA 1 enclosure design. These features provide safe operation, simplified maintenance, and compatibility with commercial and light industrial electrical systems.

**Ratings & Approvals**
The distribution panel is designed in accordance with applicable UL, NEC, and NEMA standards and is suitable for indoor commercial and light industrial power distribution applications. All grounding provisions shall comply with applicable state and local electrical codes together with NEC requirements.

**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