

MPD-CP1-TB-DR0DR-GZ-8.CB-M1

Power Distribution Panel - 220V Delta 3-phase Panel - 50A MCCB - (8) MCB Breakers - Hinged Door

Product ID: 272230

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



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-CP1-TB-DR0DR-GZ-8.CB-M1 Power Distribution Panel

Line-in Cord: Not Included - Requires Minimum Use Wiring 50A Rated Cu @ [600V]
(**Customer Provided**)

Line-in Cord Cap: Not Included - Requires Minimum Use Device 50A @ [250V]
(**Customer Provided**)

Max Primary OCP: 50 A @ 220 V

Primary Voltage: 220 V AC Delta

Primary Phase: 3-phase

Primary Frequency: 60 Hz

Panel: 240D 3PH 50A MCCB

Primary Breakers: (8) 20A 2P MCB [250V]

Primary Protection: MCCB Circuit Breakers; MCB Circuit Breakers

Transformer: N/A

Secondary Breakers: N/A

Secondary Protection: N/A

Circuits: -

Feed Type: Bottom

Top Entry: 3/4" Purple CGB

Interrupting Rating: 14

Operating Temperature: 40°C

Materials: Steel, Copper

Bus Material: Copper

Ratings

NEMA 3R / IP54 Rated

Made in the USA

Powder Coat Finish Standards:

Complies with ASTM D-523

Complies with ASTM D-3359

Complies with ASTM D-522

Complies with ASTM D-3363

Complies with ASTM D-2794

Ground Bar Material: Aluminum (Bolted)

Panel Finish: High-strength TGIC Polyester Powder Coated Gray

Form Factor: Gray Powder Coated Steel Panel

Input Wire Size: 4-350

Internal Dimensions: 18"-H x 18"-W x 8"-D

Weight: -

Mounting: Wall Mount via (4) Thru-Holes

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: 1-903-498-3364

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-CP1-TB-DR0DR-GZ-8.CB-M1 Power Distribution Panel is designed for reliable, safe and convenient power distribution at industrial work sites. This 100-amp unit provides three-phase 220 V AC Delta via a main circuit breaker panel. The power distribution panel provides operators the ability to safely tap into and distribute 220 V AC Delta power from a variety of sources including generators and direct grid power. The MPD-CP1-TB-DR0DR-GZ-8.CB-M1 has internal dimensions of 18"-H x 18"-W x 8"-D and is equipped with a top entry 3/4" Purple CGB.

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

The MPD-CP1-TB-DR0DR-GZ-8.CB-M1 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 PNL series of power distribution panels require operators to provide their own line-in cables for use. Knockouts located at the bottom of the unit are provided for convenient installation of operator-provided input and output cables.

The panel is designed to operate with three-phase 220 V AC Delta voltage. Power distribution for this panel runs 220 V AC Delta through a 50-amp main circuit breaker panel. The NEMA 3R 50-amp 240 V AC Delta main circuit breaker panel is protected by one 50-amp 3-pole molded case circuit breaker. This panel contains eight 20-amp 2-pole 250 V miniature circuit breakers.

Enclosure Design: This power distribution system is housed in a space-saving enclosure and carries a NEMA 3R / IP54 rating for protection against debris and ingress of water (dripping or minimal splashing) in indoor locations. A hinged door offers access to internal system components. The door handle is lockable using a key in order to deter the possibility of tampering. Protruding operator handles are available from the door, which allows individuals to use the panel with the door closed.

The power distribution system is constructed of steel with a polyester powder coated gray finish for durability against dirt, moisture and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light) and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention for many years without fading. Custom colors, such as blue (standard), black, desert tan or forest green, and galvanized finishes are available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead times.

We also offer similar power distribution panels on dolly carts with wheels, powder coated cube frames with lifting eyelets/skid pockets or stand-alone with handles for faster turnarounds and completion of temporary tasks.

Certification: All units are built in accordance to NFPA 70 (National Electric Code). 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)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [ANSI Certificate 1](#)
- [Canadian CEC Certificate \(Commonly referred to as CSA Certificate\)](#)
- [Catalog Page - Product Series](#)
- [CE Certificate](#)
- [Certificate 1, Misc](#)
- [Certificate 2, Misc](#)
- [Certificate 5, Misc](#)
- [MSDS \(Material Safety Data Sheet](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)