Larson Electronics LLC
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MPD-MDS-CB-3P4W-1.5-480Y.277-4000A-65K-LSIG-N3R-DF-CMLK

4000A Main Distribution Switchboard, 480Y/277V AC 3PH 4W, 4000A Main Breaker 80% Rated with LSIG and Shunt Trip, (5) 800A Feeder Breakers, (4) 400A Cam-Lok Outlet Sets, SPD, Demand Meter, Phase Monitor, Space Heater, Exterior E-Stop, NEMA 3R

Product ID: 346129

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



Image: MPD-MDS-CB-3P4W-1.5-480Y.277-4000A-65K-LSIG-N3R-DF-CMLK

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-3P4W-1.5-480Y.277-4000A-65K-LSIG-N3R-DF-CMLK — Main Distribution Switchboard **Made in the USA**

Unit Type: Main Distribution Switchboard, Dead Front

Main Device: Circuit Breaker

Feeder Breaker Type: Fixed

Form Factor: Free-Standing, Multi-Section

Electrical Ratings

Voltage: 480Y/277V AC, 600V Rated
Phase: 3-Phase, 4-Wire (3P4W)
Frequency: 60 Hz (60-Cycles)
Main Bus Rating: 4000A
Bus Material: Copper
Short-Circuit Rating: 65 kA

Main Breaker

Rating: 4000A, 80% Rated

Features of Every Assembly

4000A Main Breaker, 80% Rated, with Adjustable LSIG Trip Unit and Shunt Trip
(5) 800A, 80% Rated Feeder Breakers
(4) 400A Cam-Lok Outlet Sets, 3-Phase and Ground Only
Surge Protective Device, Demand Meter, and Phase Monitor
Space Heater and Exterior Emergency Stop
Isolated Neutral Bus with Lugs, No Bonding Screw
Dead Front Construction

Ratings & Approvals

NEMA 3R
NRTL Listed to UL 891 Dead Front Switchboards
65 kA Short-Circuit Rating

Trip Unit: Adjustable LSIG
Maintenance Mode: Included

Feeder Breakers (Fixed Type)
(5) 800A, 80% Rated Breakers
Total Feeder Breakers: 5

Neutral Bus
Neutral Bus: Copper, Equal to Phase Bus, Isolated, with Lugs
Bonding: No Bonding Screw

Cam-Lok Outlets
Connection Type: Cam-Lok Outlet Sets, 400A, 3-Phase and Ground Only
Quantity: (4) Outlet Sets

Monitoring & Controls
Surge Protective Device (SPD)
Demand Meter
Phase Monitor
Space Heater
Exterior Emergency Stop (E-Stop)

Enclosure & Construction
Enclosure Type: NEMA 3R Outdoor Rated
Mount: Floor-Mounted

Dimensions & Shipping
Dimensions: 144"-W x 60"-D x 96"-H (estimate)
Weight: 9,500 lbs (estimate)
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 Orders – Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

Larson Electronics manufacture 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 one-time custom builds. The specifics for this configuration are listed in the specification table and one-line diagram.

Made in the USA

The Larson Electronics MPD-MDS-CB-3P4W-1.5-480Y.277-4000A-65K-LSIG-N3R-DF-CMLK Main Distribution Switchboard is ideal for distributing power to multiple feeder circuits in industrial facilities and temporary power installations. This 4000-amp, 480Y/277V three-phase, four-wire

switchboard is built around a 4000A main breaker and a copper bus rated 600V, and it carries five 800A feeder breakers. It is housed in a NEMA 3R enclosure suitable for outdoor installation.

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

The **MPD-MDS-CB-3P4W-1.5-480Y.277-4000A-65K-LSIG-N3R-DF-CMLK** offers a 4000A, 80% rated main breaker with an adjustable LSIG trip unit and shunt trip, giving the operator selective protection and a means of remote tripping. The dead front construction protects operators from live parts, and the 65 kA short-circuit rating suits demanding industrial service. Four 400A Cam-Lok outlet sets allow quick connection and disconnection of temporary power cables without field terminations.

Assembly Construction
The switchboard is a multi-section, floor-mounted, free-standing assembly. Each section is built to NEMA 3R requirements for protection against rain, sleet, and external ice formation. The main bus is copper, rated 4000A, with feeder sections arranged for ease of access and maintenance.

Main Breaker & Protection
The 4000A, 80% rated main breaker carries an adjustable LSIG trip unit for long-time, short-time, instantaneous, and ground fault protection, and a shunt trip for remote tripping.

Feeder Breakers
The switchboard is supplied with five fixed-type, 800A, 80% rated feeder breakers.

Neutral Bus
A copper neutral bus equal to the phase bus is provided, isolated from the enclosure and fitted with lugs. No bonding screw is installed.

Cam-Lok Outlets
Four 400A Cam-Lok outlet sets provide three-phase and ground connections for temporary power cables.

Monitoring & Controls
The switchboard includes a surge protective device, a demand meter, a phase monitor, a space heater, and an exterior emergency stop.

Ratings & Approvals
This unit is NEMA 3R rated, with a 65 kA short-circuit rating, and NRTL listed to UL 891 for dead front switchboards.

Applications
Industrial facilities, temporary construction power, outdoor power distribution, and more.

Customer Compliance
This equipment is offered per the specifications and ratings detailed herein. Minor refinements to arrangement, dimensions, and installation details may be made during detailed engineering review to ensure proper fit, code compliance, and manufacturability, with any such refinements confirmed prior to manufacture.

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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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Export Control Classification Number (ECCN): EAR99

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