Larson Electronics LLC
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Product ID: 341786

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



Image:

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-DS-WM-CB-3P-4W-11-415.240V-1000A-50K-LSI-DF-BM-N4R Main + Sub-Breaker Disconnect Panel
Unit Type: Enclosed Circuit Breaker Disconnect Panel, Main + Sub-Breaker Assembly

Made in the USA

Configuration: 3-Phase, 4-Wire

Voltage: 415/240V AC

Bus Rating: 1000A

Neutral Rating: 1000A

Short Circuit Rating: 50 kAIC

Bus Material: Copper
Enclosure Type: NEMA 4R
Mount: Wall Mount, Bottom Feed
Line-In Connections: Terminal Lugs, Mechanical ≥ (3) #4/0-400kcmil
Neutral Terminals: Mechanical ≥ (3) #4/0-400kcmil

Main Breaker
Poles: 3
Rating: 1000A
Trip Unit: LSI (Long-Time, Short-Time, Instantaneous)
Device Type: Main Breaker, Bottom Cable Entry

Sub-Breaker

Features of Every Assembly
Fully Assembled — Breakers, Neutral, and Ground Bar Kits Installed Within Enclosure
Through-Door Rotary Handle, Each Breaker
Externally-Visible LED Indicator Lamps for System Functionality
Enclosure Inaccessible to Unqualified Persons (Lockable Door)
Direct Connections: L-N, L-G, L-L, N-G

Ratings & Approvals
NRTL Listed Service Equipment
NRTL Listed Circuit Breaker
UL 1449 Compliant
NEMA 4R Rated for Indoor and Outdoor Use

Poles: 3
Rating: 1000A
Type: Thermal-Magnetic
Trip Unit: LSI (Long-Time, Short-Time, Instantaneous)

Dimensions & Shipping
Overall Dimensions: 48"H × 36"W × 24"D (estimated)
Approximate Weight: 600 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 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 MPD-DS-WM-CB-3P-4W-11-415.240V-1000A-50K-LSI-DF-BM-N4R from Larson Electronics is a Main + Sub-Breaker Disconnect Panel designed for reliable, safe, and convenient overload and short circuit protection at industrial work sites. Designed for wall-mounting installations, the panel is protected by a NEMA 4R rated steel enclosure and is fully assembled, with breakers, neutral, and ground bar kits installed within the enclosure.

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

The **MPD-DS-WM-CB-3P-4W-11-415.240V-1000A-50K-LSI-DF-BM-N4R** provides a safe and reliable way for operators in industrial settings to utilize protection against short circuits and overloads. Compatible with 415/240V AC, 3-phase, 4-wire service, this panel combines a 1000A Main Breaker and a 1000A Thermal-Magnetic Sub-Breaker, each equipped with an LSI (Long-Time, Short-Time, Instantaneous) trip unit and a through-door rotary handle. This assembly carries a 50 kAIC interrupting rating and features a copper bus system with mechanical terminals sized for (3) #4/0-400kcmil conductors on both main and neutral connections.

Main Breaker
A 3-pole, 1000A Main Breaker with LSI trip unit and bottom cable entry serves as the primary service disconnect for the assembly.

Sub-Breaker
A 3-pole, 1000A Thermal-Magnetic Sub-Breaker with LSI trip unit provides branch-level

overcurrent protection downstream of the main.

Operation
The panel features lockable doors providing access to permanently attached through-door rotary handles for each breaker, allowing manual on/off operation without opening the door and supporting lockout/tagout procedures. Externally-visible LED indicator lamps display system functionality at a glance.

Enclosure Design
The panel is protected by a steel enclosure with a NEMA 4R rating, providing protection against water, debris, corrosion, and external ice formation for indoor or outdoor use. The enclosure is designed to remain inaccessible to unqualified persons.

Certification
This panel is NRTL listed for service equipment, NRTL listed as a circuit breaker enclosure, and UL 1449 compliant.

Connections
Direct connections are provided for L-N, L-G, L-L, and N-G configurations.

Mount
Operators can mount the panel on walls.

Circuit Protection Types
There are several options available when it comes to overload and short circuit protection. Three of the most common types are fused disconnects, enclosed circuit breakers, and non-fused disconnects. A fused disconnect combines a switch to disconnect the circuit and a fuse that shuts the circuit down in the event of a problem such as an overload or short circuit. In the event that the fuse is activated, it must be replaced in order to restore power. A non-fused disconnect lacks the fuses of a fused disconnect, but otherwise operates in the same way.

A circuit breaker combines the function of a switch and overcurrent disconnect into one device. If maintenance, repairs, or inspections need to be done on the circuit or connected equipment, a circuit breaker can be manually turned off. When a short circuit or overload is detected, an electromagnet turns the circuit breaker off automatically. It must then simply be turned back on to restore power once the issue has been corrected. An enclosed circuit breaker provides an extra layer of protection from the elements and other environmental conditions as well as additional safety for personnel. A certified electrician can provide advice on which type of circuit protection is best for any specific circumstance.

Customization
The **MPD-DS-WM-CB-3P-4W-11-415.240V-1000A-50K-LSI-DF-BM-N4R** can be customized to meet specific operating and power requirements. Examples of customizations include:

Making the enclosed circuit breaker portable and certified to NRTL UL 1640 for portable equipment
* Adding single pole camlock connectors for quick connections
* Adding heaters for cold environments
* Adding alarm relays for trip notification downstream

* Adding power meters

Special Features
Main + Sub-Breaker Assembly, LSI Trip Units, Externally-Visible LED Indicators, UL 1449 Compliant, NEMA 4R Rated Enclosure, Copper Bus System

Ratings & Approvals
NRTL Listed Service Equipment, NRTL Listed Circuit Breaker, UL 1449 Compliant, NEMA 4R Rated for Indoor and Outdoor Use

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.

Applications: Suitable for indoor/outdoor use, including 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com//images/product/HigResPic1/341786.JPG)
- **Video1**(https://www.youtube.com/watch?v=aOJY5E9e33I)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)