Larson Electronics LLC
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MPD-EB8-TB.100AB-DG0-LZ-3.T16-N3R-H1

100A Power Distribution Main Breaker Panelboard - 440V, 3-Phase - (3) 30A Breakers, (3) Terminal Lugs - Wall Mount - Grey/NEMA 3R

Product ID: 301252

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.

This unit is Made In USA - Manufactured in Texas

MPD-EB8-TB.100AB-DG0-LZ-3.T16-N3R-H1 - Electrical Panel

Item Type: Deadfront Power Distribution Panelboard
Panel Type: Molded Case Circuit Breaker Panel (MCCB)
System Voltage (V): 440V AC Delta
Phase (PH): 3-Phase (3PH)
Frequency (HZ): 60 Hz (60-cycles)
Main Panel: 440V 3PH 100A MCCB Hinged N3R
System Amperage: 100A
Line-In: Not Included - Requires Minimum Use Wiring 100A Rated Cu @ [600V] (Customer Provided**)**
Line-In Connection: (3) Terminal Lugs, Accepts 1/0-14 AWG Al/Cu
Line-In Orientation: Bottom, Side Knockouts
Mains Capacity: 100 Amps
Main Breaker Size: 100AF
Main Breaker Type: Molded Case Circuit Breaker (MCCB)
Main Breaker Short Circuit Current Rating (SCCR): 65 kAIC
Circuit Count: 42 Ckt
Branch Breaker(s): (3) 30A 3P MCCB 100AF 25 kAIC [480V]
Branch Breaker Size: 100AF
Branch Breaker Type: MCCB Circuit Breakers
Branch Breaker Short Circuit Current Rating (SCCR): 3P: 25 kAIC
Neutral Connection: Insulated Neutral Bar Kit NOT Included
Ground Connection: Ground Bar Kit Included
Mount: Wall Mounted

Ratings

Max Primary OCP: 100A @ 440V

Made in the USA
NRTL Certified to UL 1640
NEMA 3R Rated Indoor/Outdoor Use
Service Entrance Equipment Rated

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Form Factor: Grey Powder Coated NEMA 3R Side Hinged Electrical Wall Mnt-Panel
Enclosure Door: (1) Left Hinged Door w/ Handle
Enclosure Rating: NEMA 3R
Enclosure Material: 11GA Sheet Steel
Bus Material: Tin Coated Copper

Finish Color: ANSI 70 Light Grey

Finish Type: High-Strength TGIC Polyester Powder Coated

Dimensions: -

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.

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

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The MPD-EB8-TB.100AB-DG0-LZ-3.T16-N3R-H1 from Larson Electronics is a Power Distribution Main Breaker Panelboard that facilitates electrical and power connections in industrial sites. This unit provides operators the ability to safely tap into and distribute three phase 440V AC Delta power from a variety of sources including generators and direct grid power.

Panelboard: The MPD-EB8-TB.100AB-DG0-LZ-3.T16-N3R-H1 power distribution unit gives operators the ability to power their 440 volt Delta equipment from a single system. On the primary side, operators connect three-phase 440V AC Delta line-in power via three terminal lugs using a customer-provided cord. This panelboard distributes power from an electrical feed to various branch circuits. Models with breakers offer circuit protection. All branch breakers are compatible with Larson Electronics 100AF size branch breakers.

Main Breaker Panel vs Main Lug Only Panel: Panelboards are available with a main circuit breaker or as main lug only (MLO). A main circuit breaker provides overcurrent protection and serves as the primary unit serving all branch circuits and controls within the panel. This type of panel offers a single disconnection method for connected loads. A MLO panel typically serves as an add-on or sub panel, which is connected to a main breaker panel. A MLO panel does not have overcurrent protection or devices.

Operation:

- Primary Voltage: 440V AC Delta 3PH
- Main Panel: 440V 3PH 100A MCCB Hinged N3R
- Branch Breaker(s): (3) 30A 3P MCCB 100AF 25 kAIC [480V]
- Primary Outlet(s): N/A

*See specification table at the top of the page for more information about the power distribution system.

Protective Construction: The power distribution system is protected by steel construction. Equipped with hinged locking doors, the main breaker panelboard carries a NEMA 3R rating for use in indoor or outdoor locations and protection from water, debris, corrosion, and external ice formation. This unit is compatible with wall mounting installations.

This power distribution solution can be modified to meet the needs of job-site receptacle requirements. Larger units are available upon request and can be equipped with skids or trailer mount.

Certification: All units are built in accordance to NFPA 70 (National Electric Code), NEMA PB1 and NRTL certified to UL 1640. NEMA 4 and NEMA 4X equipment can be equipped upon request.

Grounding: The panel 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 ideal for indoor or outdoor use and applications including but not limited to, construction sites, plant maintenance, plant turnarounds, shows, exhibits, and shipyard operations. These power distribution systems are popularly used in applications where external power sources are often necessary. We also offer class rated transformers for use within explosion proof and hazardous location environments.

Custom Built Systems Available: Larson Electronics is a manufacturer and we can build portable power distribution systems to your specifications. Although we carry several models of portable power distribution systems in stock, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

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Product ID: 301252

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)
- Single Line Diagram (One-Line Diagram)
- USA NEC Certificate (Commonly referred to as UL Certificate)
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map