

MGL15-208.3P-1X400.20A

15 KVA Temporary Power Distribution - 208V to 400V 3PH - 400V L16-20R Twist Lock Receptacle

Product ID: 148165

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

MGL15-208.3P-1X400.20A -Temporary Power Distribution System

Line In: Customer Provided

Line-In Cord Cap: Customer Provided

Primary Voltage: 208V 3P

Primary Disconnect: 100A Fused @ 90A N3R

Primary Panel: -

Primary Breakers: -

Primary Receptacles: -

Primary Protection: Disconnect Switch

Transformer: 15KVA 208V to 400V 3PH N3R

Secondary Voltage: 400V 3P

Secondary Disconnect: 30A Fused @ 20A N3R

Secondary Panel: -

Secondary Breakers: -

Secondary Receptacles: (1) L16-20R 3P [400V]

Secondary Protection: Weatherproof Cover

Form Factor: Powder Coated Steel Dolly Cart w/ Run Flat Tires

Dimensions: W-40" X D-40" X H-48"

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

Ratings

Max OCP Primary: 90A @ 208V

Max OCP Secondary: 20A @ 400V

UL 1640 Portable Power-Distribution Equipment

NEMA 3R Indoor / Outdoor Use

Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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 Larson Electronics MGL15-208.3P-1X400.20A temporary power distribution system converts 208V AC three phase current to three phase 400V. This power distribution system provides operators the ability to safely tap into and distribute 208V power from a variety of sources including generators and direct grid power.

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

Portable Power Distribution Purpose and Use The MGL15-208.3P-1X400.20A portable power distribution system gives operators the ability to power their 400V equipment from a single system. On the primary side, operators connect 208 volt using a customer provided cord. On the secondary side, operators connect to one L16-20R twist-lock receptacle for three phase 400V equipment.

Operation: A customer provided cord brings 208V three phase power to the NEMA 3R 100-amp 208-480V three phase primary disconnect, which contains three 90-amp time delay fuses and passes 208V three phase through to the transformer. The NEMA 3R 15 KVA transformer converts 208V three phase power to 400V three phase and passes the current to the secondary panel. The secondary side of the transformer feeds a NEMA 3R 30-amp 208-480V three phase secondary disconnect, which contains three 20-amp time delay fuses. This secondary side contains one L16-20R 400V receptacle. All receptacles are equipped with weatherproof covers.



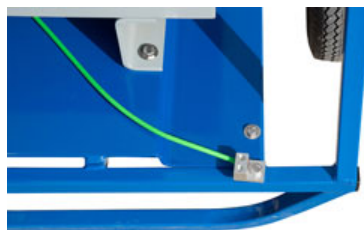
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Protective Construction: Unlike many portable power distribution boxes made of plastic and utilizing thin gauge, low grade metals in their construction, this unit is designed for serious use and is ruggedly constructed to withstand demanding conditions and heavy duty industrial applications. The transformer and load center/distribution assembly is mounted to a powder coated steel, dolly cart style frame, resulting in an extremely stable, durable, and mobile power distribution platform. Two run-flat rubber tires and a dolly cart style mounting platform provides easier substation mobility, and a center point lift point allows easy lifting with cable or chain hooks. This can be replaced with stainless steel, hot dip galvanized steel, or aluminum depending on the customer's needs for an additional cost. Larger units are available upon request and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a UL 1640 panel shop and certified to build portable power distribution systems. All units are built in accordance to NFPA 70 (National Electric Code) and certified to UL 1640. 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 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.



Frequently Asked Questions (FAQ)









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Product ID: 148165

Harmonized System (HS) Code: 8504.21.0040

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](#)
- [Dimensional Drawing 2D](#)
- [MSDS \(Material Safety Data Sheet\)](#)
- [Operations Manual](#)
- [RoHS Certificate \(Restriction of Hazardous Substances\)](#)
- [USA NEC Certificate \(Commonly referred to as UL Certificate\)](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
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