

MDC-480.3P.400MCB-4X3P.30A-3X3P.100A

Mobile Power Distribution - 480V 3PH - 400A MCB Panel - (4) 30-amp 430R7W; (3) 100-amp 4100R7W - N3R

Product ID: 257671

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.

MDC-480.3P.400MCB-4X3P.30A-3X3P.100A Mobile Distribution Center

Line-in Cord: Customer Provided

Line In Cord Cap: Customer Provided

Voltage: 480 V AC, 3PH

Panel: 480 V 3PH 400A MCB N3R

Max Primary OCP: 400 A @ 480 V

Breakers: (4) 480 V 3P 30 A; (3) 480 V 3P 100 A

Receptacles: (4) 30-amp 430R7W; (3) 100-amp 4100R7W

Protection: Circuit Breakers

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

Dimensions: 24"L x 18"W X 52"H

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.

Ratings/Approvals

NEMA 3R Indoor or Outdoor Use

Made in the USA

Wheeled Spider Box

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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

Made in the USA

The MDC-480.3P.400MCB-4X3P.30A-3X3P.100A from Larson Electronics is a Mobile Distribution System that distributes three-phase 480 V via a 400-amp main circuit breaker panel. This power distribution system

provides operators the ability to safely tap into 480 V power from a variety of sources including generators and direct grid power. This wheeled spider box is suitable for outdoor applications.

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

The MDC-480.3P.400MCB-4X3P.30A-3X3P.100A temporary power distribution system gives operators the ability to power their 480 V equipment from a single system. Operators connect 480 V using a customer provided line-in cord to the wheeled spider box which brings power into the system. A total of four, 30-amp 430R7W receptacles for 480 V equipment and three, 100-amp 4100R7W receptacles for 480 V equipment are available for completing power connections.

Operation: A customer provided line-in cord brings 480 V power to the 400-amp main circuit breaker panel. The 480 V three phase panel contains four 30-amp breakers protecting four, 30-amp 430R7W receptacles, and three 100-amp breakers protecting three, 100-amp 4100R7W receptacles. All receptacles are equipped with weatherproof covers.

The distribution assembly is mounted to a standard upright steel dolly cart, cross-style frame resulting in an extremely stable, durable, and mobile power distribution platform. Two run-flat tires and a cart style mounting platform provides easier substation mobility. This temporary power distribution unit can be modified to meet the needs of job-site receptacle requirements. Full power distribution units are available up to 150 kVA, and can be equipped with skids or trailer mounted.

Certification: Larson Electronics is a NRTL certified 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 NRTL 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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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 \(Material Safety Data Sheet\)](#)
- [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](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [HigResPic9](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)