Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1

2 KVA Mini Portable Power Distro, 277V-120V 1PH, (1) 5-20R GFCI Duplex Outlet, Wall Mount, NEMA 3R

Product ID: 331474

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-CM1-TB.15AB-SM2SW-BC-1.N10-M1 - Portable Spider Box

Line In: Not Included - Requires Minimum Use Wiring 15A Rated Cu @ [600V] (**Customer Provided**)
Line-in Cord Cap: Not Included – Requires Minimum Use Device 15A @ [277V] (**Customer Provided**)
Primary Voltage (V): 277V AC
Primary Phase (PH): 1-Phase (1PH)
Primary Frequency (HZ): 60 Hz (60-cycles)
Primary Panel: 277V 1PH 15A MCCB N3R
Primary Breaker(s): N/A
Primary Outlet(s): N/A
Primary Protection: MCB Circuit Breaker
Transformer (KVA): 2KVA 277V to 120V 1PH N3R
Secondary Voltage (V): 120V AC
Secondary Phase (PH): 1-Phase (1PH)
Secondary Frequency (HZ): 60 Hz (60-cycles)
Secondary Panel: N/A
Secondary Breaker(s): (1) 20A 1P MCB [125V]
Secondary Outlet(s): (1) 5-20R NEMA Duplex-GFCI [125V]
Secondary Protection: MCB Circuit Breaker
Form Factor: Blue Powder Coated Wall Mount
Frame Finish: High-Strength TGIC Polyester Powder Coated Blue
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.

Ratings

Max Primary OCP: 15A @ 277V

Max Secondary Output: 20A @ 120V

NEMA 3R Indoor or Outdoor Use
Made in the USA
NRTL Certified to UL 1640

Powder Coat Finish Standards:
Complies with ASTM D-523
Complies with ASTM D-3359
Complies with ASTM D-522
Complies with ASTM D-3363
Complies with ASTM D-2794

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-214-616-6180
Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
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

This unit is Made In USA - Manufactured in Texas

The MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1 from Larson Electronics is a Portable

Power Distribution System that is used for powering equipment within industrial sites. This power distribution system provides operators the ability to converts single-phase 277V AC electrical current into single-phase 120V AC. This wall mount spiderbox is suitable for outdoor applications. All system components are protected by a powder coated steel enclosure.

The MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1 portable wheeled spider box from Larson Electronics is built to provide operators with a reliable source of 120V power. This spider box is designed for wall mounting and convenience as well as durability. Featuring weatherproof construction, the MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1 is ideal for powering 120V equipment and lighting in construction, entertainment, job-site, marine, and outdoor locations where generators are providing the power.

Operation:

• Primary Voltage: 277V AC 1PH

• Primary Panel: 277V 1PH 15A MCCB N3R

• Primary Breaker(s): N/A

• Primary Outlet(s): N/A

• Transformer: 2KVA 277V to 120V 1PH N3R

• Secondary Voltage: 120V AC 1PH

• Secondary Panel: N/A

• Secondary Breaker(s): (1) 20A 1P MCB [125V]

• Secondary Outlet(s): (1) 5-20R NEMA Duplex-GFCI [125V]

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

A customer provided line-in cord and cord cap brings single-phase 277V AC power to the system and passes it to the transformer. The 2 kVA transformer converts the single-phase 277V AC current into single-phase 120V AC. This portable spider box features one 5-20R NEMA GFCI duplex outlet on the secondary side that provides a sealed and secure connection for one device and is protected by one 20-amp 1-pole miniature circuit breaker. The receptacle provides 120V for powering high voltage lighting and equipment without the need for running additional extension cords. The MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1 power distribution unit features short circuit and overload protection. In the instance of circuit overload, the unit automatically shuts down to protect the unit from damage and operators manually restart the system.

Protective Construction: The housing on the MPD-CM1-TB.15AB-SM2SW-BC-1.N10-M1 is constructed from powder coated steel with a NEMA 3R enclosure rating. The entire unit is powder coated with glossy blue finish for corrosion resistance and aesthetics and can be wall mounted.

The power distribution system is constructed of steel with a polyester powder coated blue finish for durability against dirt, moisture, and mild corrosion. This special coating creates a high-strength barrier for protection from accidental bumps and scratches. The TGIC polyester powder coat finish offers reliable resistance against chemicals, UV light (sun light), and degrading elements in outdoor locations. Our powder coating solution ensures robust color retention for many years without fading. Custom colors, such as black, grey, desert tan, or forest green, and galvanized finishes are available upon request. Non-standard powder coat colors or galvanized finishes may increase price and lead times.

This temporary 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) 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.

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Frequently Asked Questions (FAQ)

There are no Faqs

Export Control Classification Number (ECCN): EAR99

Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

Links (Click on the below items to view):

- **ANSI Certificate 1**(https://www.larsonelectronics.com/images/product/ANSICert1/331474.PDF)
- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com/images/product/CECCert/331474.PDF)
- **Catalog Page - Product Series**(https://www.larsonelectronics.com/images/product/CatalogPage/331474.PDF)
- **CE Certificate**(https://www.larsonelectronics.com/images/product/CECert/331474.PDF)
- **Certificate 1, Misc**(https://www.larsonelectronics.com/images/product/Cert1/331474.PDF)
- **Certificate 2, Misc**(https://www.larsonelectronics.com/images/product/Cert2/331474.PDF)
- **Certificate 5, Misc**(https://www.larsonelectronics.com/images/product/Cert5/331474.PDF)
- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/331474.PDF)
- **RoHS Certificate (Restriction of Hazardous Substances)**(https://www.larsonelectronics.com/images/product/RoHSCert/331474.PDF)
- **Single Line Diagram (One-Line Diagram)**(https://www.larsonelectronics.com/images/product/Oneline/331474.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com/images/product/NECCert/331474.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/331474.PDF)
- **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)