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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MPD-CM5-NSB.20AB-SM3LAE-CZ-2.L04-M1

3 KVA Portable Power Distribution Spiderbox, 277V to 12/24V or 48V AC/DC 1-Phase, (2) L5-20R Outlets, 6' 12/3 SOOW Cord w/ 6-20P Plug, Powder Coated Steel w/ Casters, NEMA 3R

Product ID: 314532

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.

MPD-CM5-NSB.20AB-SM3LAE-CZ-2.L04-M1 Power Distribution

Line-In Cord: 6' #12/3 AWG SOOW Cord [600V]

Line-in Cord Cap: 7-20P NEMA Straight-Blade Plug [277V]

Primary Voltage: 277V AC

Primary Phase: 1-Phase (1PH)
Primary Frequency: 60 Hz
Primary Panel: N/A
Primary Breaker(s): (1) 20A 2P MCCB [277V]
Primary Outlet(s): N/A
Primary Protection: N/A
Transformer: 3KVA 277V to 12x24x48V DC Power Supply
Secondary Voltage: 12/24V or 48V AC/DC
Secondary Phase: 1-Phase (1PH)
Secondary Frequency: 60 Hz
Secondary Panel: 12V/24V or 48V DC 1PH N3R
Secondary Breaker(s): (2) 20A 1P MCB [125V]
Secondary Outlet(s): (2) L5-20R NEMA Twist-Lock [125V]
Secondary Protection: MCB Circuit Breaker
Form Factor: Blue Powder Coated Portable / Base Stand w/ Polyurethane Swivel Casters

Frame Materials: -

Dimensions: -

Weight: -

Ratings

Max OCP Primary: 20A @ 277V
Max Secondary Output: 200A @ 12V; 125A @ 24V; 62.5A @48V
NRTL Certified to UL 1640 Portable Power-Distribution Equipment
NEMA 3R Indoor / Outdoor Use
Weatherproof
Made in the USA

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-214-616-6180

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

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.

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Made in Texas

The MPD-CM5-NSB.20AB-SM3LAE-CZ-2.L04-M1 from Larson Electronics is a Portable Power Distribution Spiderbox for rugged and industrial applications. This weatherproof unit converts single-phase 277V electrical current to single-phase 12/24V or 48V AC/DC. A powder coated steel cart with stainless steel hardware provides mobility and seamless deployment in rugged environments.

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

Operation:

- Primary Voltage: 277V AC 1PH
- Primary Panel: N/A
- Primary Breaker(s): (1) 20A 2P MCCB [277V]
- Primary Outlet(s): N/A
- Transformer: 3KVA 277V to 12x24x48V DC Power Supply
- Secondary Voltage: 12/24V or 48V AC/DC 1PH
- Secondary Panel: 12V/24V or 48V DC 1PH N3R
- Secondary Breaker(s): (2) 20A 1P MCB [125V]
- Secondary Outlet(s): (2) L5-20R NEMA Twist-Lock [125V]

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

Portable Power Distribution Purpose and Use: The MPD-CM5-NSB.20AB-SM3LAE-CZ-2.L04-M1 portable power distribution system gives operators the ability to power their 12/24V or 48V AC/DC equipment. On the primary side, operators connect single-phase 277V line-in power using a 6' #12/3 AWG Type SOOW cord with a 6-20P NEMA straight-blade plug. The power is passed through the 3 KVA transformer and is converted to single-phase 12/24V or 48V AC/DC power. On the secondary side, operators are provided access to two L5-20R NEMA duplex receptacles for 12/24V or 48V AC/DC equipment.

This weatherproof power distribution unit features overload protection. In the instance of circuit overload, the unit automatically trips the circuit breaker to protect the unit from damage, and operators manually reset the breaker.

A 6' #12/3 AWG Type SOOW cord with a 20-amp 250V 6-20P NEMA straight-blade plug brings single-phase 277V power to the primary side of the system and passes power through to the transformer. The NEMA 3R 3 kVA transformer converts single-phase 277V to 12/24V or 48V AC/DC and passes the current to the secondary side. The secondary side of the transformer is equipped with two L5-20R NEMA twist-lock outlets.

Protective Construction: The housing on the MPD-CM5-NSB.20AB-SM3LAE-CZ-2.L04-M1 is constructed from powder coated steel with a NEMA 3R enclosure rating (we offer stainless steel enclosures at an additional cost). The angled base and low center of gravity ensure this unit does not tip over when deployed in the field. The entire unit is powder coated with glossy blue finish for corrosion resistance and aesthetics. The assembly is mounted atop four swivel polyurethane casters, two standard swivel and two locking swivel, aiding in transportation within the job site. A top located adjustable push handle allows operators to guide this unit through the workspace.

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.

Applications: This power distribution system is NEMA 3R rated and ideal for indoor/outdoor use and applications including but not limited to; refeer containers, transportation, refrigerator containers, industrial sites, docks, commercial areas and more.

Larson Electronics is a manufacturer and as such can build portable transformer

systems to your specifications. Although we carry several models of power distribution transformers, 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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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
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- ISO 9001 Certification
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