

EP-MPD-PS.33C-600V.3P.15ACB-5KVA-240V.1P.20ACB-M2

5KVA Hazardous Location Power Distribution - C1D2 - 600V 3PH to 240V 1PH - Powder Coated Orange

Product ID: 244199

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.

EP-MPD-PS.33C-600V.3P.15ACB-5KVA-240V.1P.20ACB-M2 Explosion Proof Power Distribution

Listing: NRTL Listed for United States and Canada

Line In: 33' 16A 3C+PE Type RFOU

Line-in Cord Cap: 63A 3P4W 600V (black color, Clock 5H) IEC 60309 C1D2

Primary Voltage: 600V AC, 3PH

Primary Disconnect: 15A 600V 3PH MCB C1D1

Primary Protection: Disconnect

Transformer: 5KVA 600V to 240V 1PH C1D2

Secondary Voltage: 240V AC, 1PH

Secondary Disconnect: 20A 240V 1PH MCB C1D1

Secondary Protection: Disconnect

Form Factor: Aluminum square tube frame, skid pockets, top pick eye & 8" locking casters

Frame Materials: Powder coated aluminum frame - Orange

Dimensions: 34" X 44" X 58"

Weight: 750 pounds

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

Max Primary OCP: 15A @ 600V

Max Secondary OCP: 20A @ 240V

Class I, Division 2, Groups C and D

NRTL Certified to UL 1640

NRTL Certified to CSA-C22.2 No. 14

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

The Larson Electronics EP-MPD-PS.33C-600V.3P.15ACB-5KVA-240V.1P.20ACB-M2 hazardous location power distribution system is designed for operators to power their single-phase 240V equipment within Class I, Division 2 rated areas. A 33` input cord terminated in a 63-amp Class I, Division 2 plug allow operators to bring three-phase 600V line-in voltage to the powder coated orange unit.

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

The portable power distribution system gives operators the ability to power their 240 volt equipment from a single system. On the primary side, operators connect 600 volt line-in power via 33` of 16-amp 3c+PE Type RFOU cord with a 63-amp 3P4W 600V (black color, Clock 5H) male Class I, Division 2 IEC 60309 plug. On the secondary side, operators may access a Class I, Division 1 main circuit breaker panel disconnect.

For increased reliability during operation, line-in power as well as connections between the disconnect and transformer and between the transformer and secondary panel consist of heavy-duty SOOW cords.

Operation: A 33` 16-amp 3c+PE Type RFOU line-in cord with a 63-amp 3P4W 600V (black color, Clock 5H) Class I, Division 2 male plug brings three-phase 600V power to the 15-amp three-phase 600V Class I, Division 1 main circuit breaker panel disconnect and passes power to the transformer. Liquid-tite flexible cord connect the primary panel to the transformer. The Class I, Division 2 5 KVA transformer converts 600V power to single-phase 240V 60Hz and passes the current to the secondary panel. Liquid-tite flexible cord connect the transformer to the secondary panel. The secondary side of the transformer feeds a 20-amp single-phase 240V Class I, Division 1 main circuit breaker panel disconnect.

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 assembly are mounted on a non-sparking aluminum mounting platform and the load center/distribution assembly is mounted to the standard 2" x 2" square non-sparking aluminum tubing frame, resulting in an extremely stable, durable and well protected power distribution platform. This model is equipped with forklift skid pockets, non-sparking locking casters, and a top located lifting eyelet which allows easy lifting with cable or chain hooks.

This can be replaced for an additional cost with stainless steel or hot dip galvanized steel depending on the customer's needs. Larger units are available upon request and can be equipped with skids or trailer mounted.

Certification: All units are built in accordance to NFPA 70 (National Electric Code). 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.

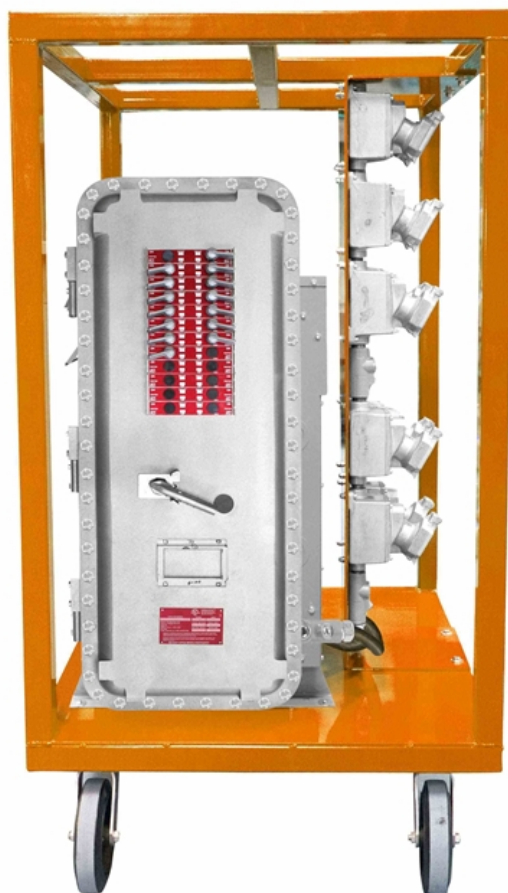
Grounding: Transformer is grounded to the frame and we provide a grounding lug on the frame for the earth ground.

~Please check all motor loads for dual rated motors that will work 208 or 240.~

Applications: This power distribution system is designed for indoor and outdoor use in hazardous location areas for shipyard, plant maintenance and construction applications.

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 unit does not meet your needs please contact 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

Frequently Asked Questions (FAQ)



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Product ID: 244199

Harmonized System (HS) Code: 8504.21.0040
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [Wiring Diagram \(Online\)](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)