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-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1

3 kVA Isolation Transformer - 480V Primary, 24V Secondary - 1PH/N3R - Fully Potted, (2) 5' Whips w/ Blunt Cut Ends

Product ID: 315196



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-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
kVA: 3
Primary Voltage: 480V AC
Secondary Voltage: 24V AC
Winding Material: Copper
Impedance: 1 - 5%
Insulation: 180°C
Temperature Rise: 115°C
Seismic Zone: -
Wiring: Prewired with (2) 5' Whips (One on Each Side) w/ Blunt Cut Ends
Termination: 12/3 SOOW w/Blunt Cut End on Primary; 6/2 TYPE W w/Blunt Cut End on Secondary
Encapsulation: Silica Sand & Resin Compounds
Mounting: Wall
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Finish: ANSI 61 Grey Finish
Dimensions: (*Please note that dimensions are approximate and subject to change*) 7.75"-D x 10"-W x 17.25"-H
Weight: (*Please note that weight is approximate and subject to change*) 65 lb

Approvals/Ratings
NRTL Listed for United States
CSA Certified
Isolation Transformer

Special Orders - Special Requirements
Contact us for special requirements

Fax: 1-903-498-3364
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
E-mail: sales@larsonelectronics.com

The MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 from from Larson Electronics is a 1 Phase Energy Efficient Isolation Transformer that is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MPD-MT-ISX-FP-

1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 provides increased reliability, protection against critical equipment failures, and an extra level of protection by isolating the power source from the connected device. The lower operating costs, lower heat emissions, and lower cost of ownership make this transformer ideal for a wide range of applications and businesses.

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

Transformer Features: With a transformer rating of 3 kVA (3000 Volt Amps), the MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 isolation transformer is a single phase unit with a primary voltage of 480V. It also provides a secondary voltage of 24V. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The Standard Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be wall mounted. The unit also features 180°C insulation with a 115°C temperature rise and is rated IP14.

Benefits: The MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 isolation transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

This transformer provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership.

Connections: This transformer has a 5' 12/3 SOOW whip terminated in a blunt cut end on the primary side and a 5' 6/2 Type W whip terminated in a blunt cut end on the secondary side.

Safety: The MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 is an isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1 achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

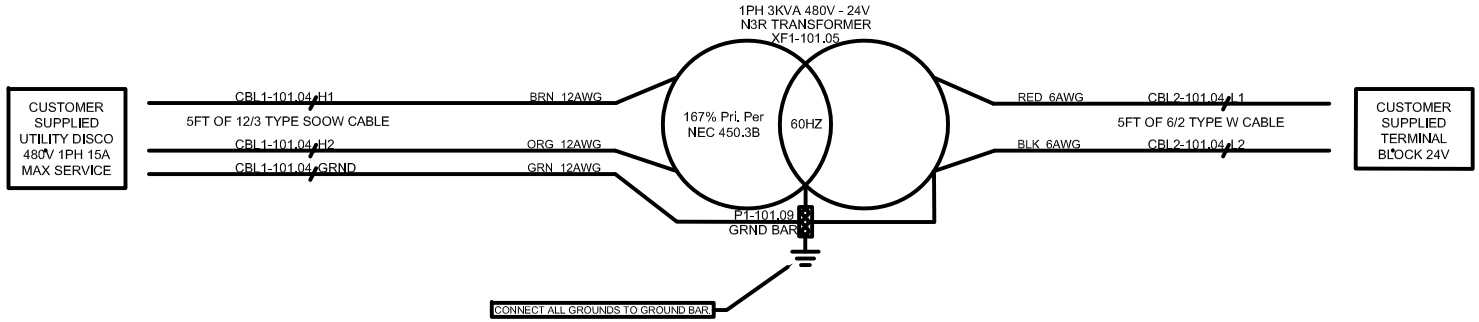
Applications: Power supplies for sensitive equipment such as computers, medical devices, or laboratory instruments.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

REV	DESCRIPTION	DATE
A	PDU CREATE	02/27/2025

MPD-MT-ISX-FP-1P-480V-3KVA-24V-N3R-2X5FT-BCE-M1

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TAGS	QTY	CATALOG	DESCRIPTION
CBL1-101.04	5FT	UNV00002908	#12/3 AWG TYPE SOOW 600V PORTABLE POWER CABLE
P1-101.09	1	UNV00013942C	GROUND BAR KIT 14 AWG TO 4 AWG
XF1-101.05	1	Q003DTCF	3KVA 480V PRI - 24V SEC 1PH N3R ISO XFMR
CBL2-101.04	5FT	2/006W	#6/2 AWG TYPE W 2000V PORTABLE POWER CABLE

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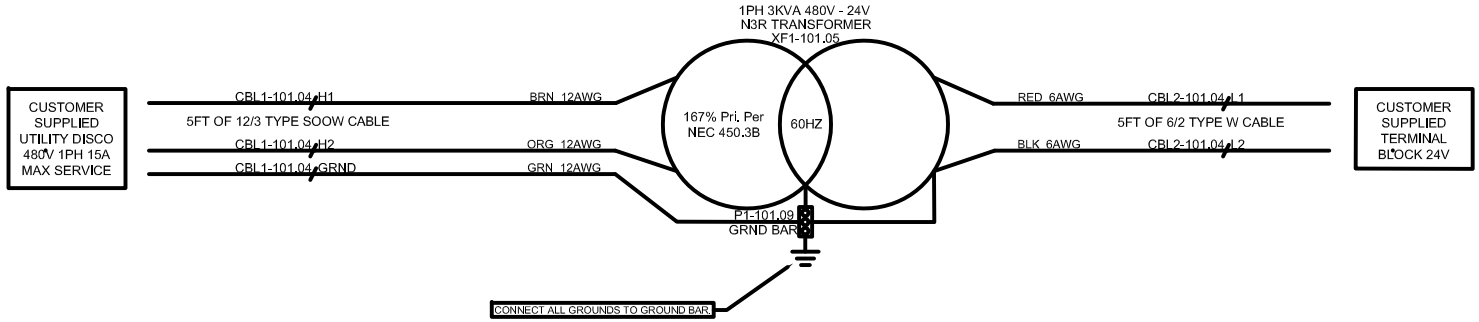
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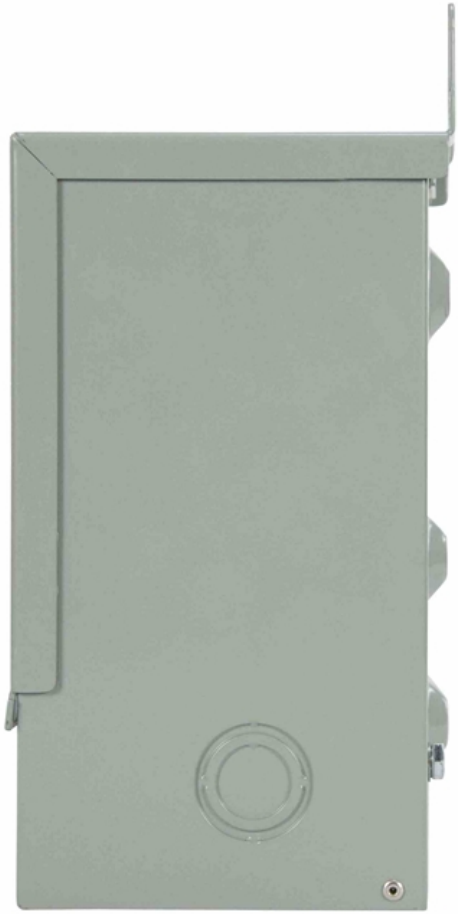
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CBL2-101.04	5FT	2/006W	#6/2 AWG TYPE W 2000V PORTABLE POWER CABLE

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Frequently Asked Questions (FAQ)