

MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730C

3 kVA Isolation Transformer - 480V Primary, 277V Secondary - 1PH/N3R - Fully Potted, (2) 30A Inlets

Product ID: 315139



Image: MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730C

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-277V-N3R-L830P-L730C Isolation Transformer

Phase: Single Phase

Frequency: 60 Hz

kVA: 3

Primary Voltage: 480 V AC

Secondary Voltage: 277 V AC

Winding Material: Aluminum

Impedance: 1 - 5%

Insulation: 180°C

Temperature Rise: 115°C

Seismic Zone: -

Primary Connection: 30A L8-30P 480V

Secondary Connection: 30A L7-30C 277V

Mounting: Wall

Sound Level: Meets NEMA ST-20 Standards

Enclosure Material: NEMA Type 3R Heavy Duty Ventilated

Finish: ANSI 61 Grey, UL50 Finish

Dimensions: 11.75"H x 7.06"W x 6.25"D

Weight: 55 lb

Approvals/Ratings

Listing: UL Listed

CSA Certified

Isolation Transformer

Special Orders - Special Requirements

Contact us for special requirements

Fax: 1-903-765-7664

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

The MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730C 1 Phase Energy Efficient Isolation Transformer from Larson Electronics 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-277V-N3R-L830P-L730C 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-277V-N3R-L830P-L730C isolation transformer is a single phase unit with a primary voltage of 480 V. It also provides a secondary voltage of 277 V. 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 IP24.

Benefits: The MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730C 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 30-amp L8-30P inlet on the input side and a 30-amp L7-30C on the output side.

Safety: The MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730C 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-277V-N3R-L830P-L730C achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

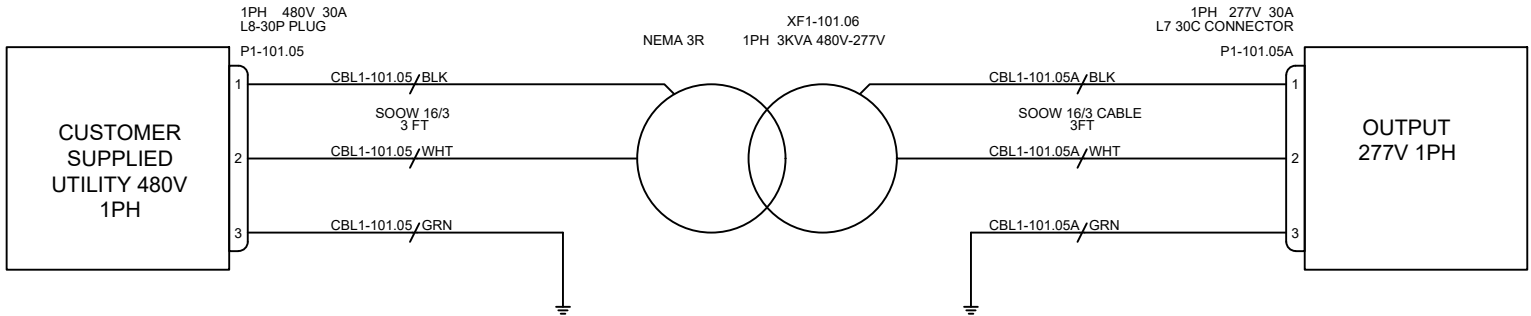
Applications: Power supplies for sensitive equipment such as computers, medical devices, or laboratory instruments.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, 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.

8	7	6	5	4	3	2	1
REV	DESCRIPTION						DATE
A	PRODUCTION RELEASE						7/16/2026
MPD-MT-ISX-FP-1P-480V-3KVA- 277V-N3R-L830P-L730P 							
8	7	6	5	4	3	2	1



TAGS	QTY	CATALOG	DESCRIPTION
P1-101.13	1	UNV00013849	L8-30P 480V 2 POLES 3 WIRES 30A LOCKING PLUG
P1-101.13A	1	UNV00016848	L7-30C 277V 2 POLES 3 WIRES 30A CONNECTOR
CBL1-101.13 CBL1-101.13A	6 FT	UNV00007524	16/3 AWG SOOW
XF1-101.14	1	UNV00014294	1PH Isolation Transformer, 480/277 VAC Primary, 277/208 VAC Secondary,



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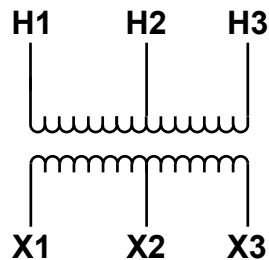
9419 E US HWY 175,
KEMP, TX 75143

TITLE MPD-MT-ISX-FP-1P-480V-3KVA- 277V-N3R-L830P-L730P		
DRAWN BY M.ASHRAF	DATE 07-16-2026	REV A
CHECKED BY J.MALDONADO	SHEET # 1 OF 1	DRAWING # 101

Wiring Diagram

WARNING: DO NOT SERVICE WHILE ENERGIZED!

MPD-MT-ISX-FP-1P-480V-3KVA-277V-N3R-L830P-L730P



Primary Volts	Connect Lines To	Interconnect
277	H1-H2	-
480	H1-H3	-

Secondary Volts	Connect Lines To	Interconnect
208	X1-X2	-
277	X1-X3	-



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Frequently Asked Questions (FAQ)

There are no Faqs