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MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES

3 kVA Isolation Transformer - 240/480V Primary - 120/240V Secondary - NEMA 3R - 1 Phase - Fully Potted - w/ Tap Changer - w/ Electrostatic Shield

Product ID: 337829

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image: MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES

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.

MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
Capacity: 3 kVA
Primary Voltage: 240/480 V AC
Secondary Voltage: 120/240 V AC
Tap Changer: (2) 2.5% FCAN, (2) 2.5% FCBN
Electrostatic Shield: Included, Between Primary and Secondary Windings
Winding Material: Aluminum
Impedance: 4.38%
Insulation: 180°C
Temperature Rise: 115°C
Seismic Zone: -
Primary Termination: Leadwires
Secondary Termination: Leadwires
Mounting: Wall
Sound Level: 40 dBA, Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey, UL50 Finish
Dimensions: 12.5"H x 10.31"W x 6.65"D
Weight: 55 lbs

Approvals/Ratings

Listing: UL Listed, File #E79947
CSA 7357 Certified
Isolation Transformer

Typical Efficiency: 95.2%
No Load Losses: 44W
Full Load Losses: 167W

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES 3 kVA 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 MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES 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 MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES isolation transformer is a single phase unit with a primary voltage of 240/480 V. It also provides a secondary voltage of 120/240 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.

Benefits: The MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES isolation transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material helps to improve performance. The close tolerances used during manufacturing also eliminate burrs, which hinder performance. Each core is specially coated to prevent the ingress of moisture and is 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 turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership. This transformer is designed for panel mounting.

Safety: The MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES 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 MT-ISX-FP-1P-240.480V-3KVA-120.240-N3R-ES achieves these safety features by seperating 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.

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Frequently Asked Questions (FAQ)

There are no Faqs

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D**(https://www.larsonelectronics.com/images/product/DimensionalDrawing/337829.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/337829.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/337829.JPG)
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