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

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ

5 kVA Isolation Transformer - 120V Primary - 230V Euro Secondary - NEMA 3R - 50/60Hz - Fully Potted / Encapsulated

Product ID: 264948

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



Image: MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ

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-120V-5KVA-230V.EU-N3R-50HZ Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 50/60 Hz
kVA: 5
Configuration: NEMA/Encapsulated
Primary Voltage: 120 V
Secondary Voltage: European 230 V (L1+N)
Number of Outlets: 2
Number of Outputs: 2
Winding Material: Aluminum
Efficiency Regulation: No Efficiency Specification
Impedance: 1 - 5%
Insulation: 180°C
Temperature Rise: 130°C
Seismic Zone: Zone 4
Primary Fuseholder: -
Secondary Fuseholder: -
Mounting: Wall
Termination: Leadwires
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty - Resin Encapsulated

Approvals/Ratings

NRTL Listed for United States and Canada
IP14 Rated
Fully Potted / Encapsulated
Isolation Transformer

Special Orders - Special Requirements

Contact us for special requirements

Finish: ANSI 61 Grey Finish
Dimensions: 10.00"H x 17.25"W x 7.75"D
Weight: 108 lb

Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ from Larson Electronics is a 220 V Euro (L+N) 1 Phase Energy Efficient 50/60 Hz Fully Potted Isolation Transformer that is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ provides increased reliablity, 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 5kVA, the MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ isolation transformer is a single phase unit with a primary voltage of 120 V. It also provides a secondary voltage of European 220 V single phase (L1+N). This L1+N model is considered European 230 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 fully potted, 50/60 Hz 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° insulation with a 130°C temperature rise and is rated IP14.

Benefits: The MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ 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 fully potted, 50/60 Hz 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. Integrated wall mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

Safety: The MT-ISX-FP-1P-120V-5KVA-230V.EU-N3R-50HZ is a 50/60 Hz encapsulated 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-120V-5KVA-230V.EU-N3R-50HZ 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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Harmonized System (HS) Code: 85043300
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**(https://www.larsonelectronics.com/images/product/Msds/264948.PDF)
- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/264948.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/264948.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/264948.JPG)
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