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-120V-750VA-120V-N3R-3X3FT-M1

750 VA Prewired Isolation Transformer - 120V Primary - 120V Secondary - 50/60Hz - Fully Potted/Encapsulated

Product ID: 271258



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-750VA-120V-N3R-3X3FT-M1 Prewired Isolation Transformer

Transformer Type: Isolation Transformer
Transformer Configuration: Buck
Phase: Single Phase
Frequency: 50/60 Hz
Primary Voltage: 120 V AC
kVA: 750 VA (0.75 kVA)
Secondary Voltage: 120 V
Winding Material: Aluminum
Wiring: (1) 5' 16/3 SOOW Whip on Primary Side w/ Cord Cap & Connectors
Cord Caps: NEMA 5-15P Male Input Plug on Primary Whip; (2) Output IEC-320-C13 Female Connectors
Knockouts: Side and Rear
Primary Termination: Front Access Copper Tabs or Lead Wires
Secondary Termination: Front Access Copper Tabs or Lead Wires
Cooling: Air / Dry Type
Insulation: 130°C
Temperature Rise: 80°C
Temp Rating: 30°C
Enclosure Rating: NEMA 3R
Encapsulation: Silica Sand, Resin Compounds
Enclosure Material: Steel
Finish: ANSI 61 Grey
Mounting: Wall Mount via Mounting Tabs
Dimensions: 9.30"H x 5.06"W x 4.56"D
Weight: 18 lb

Ratings

NRTL Listed for United States & Canada
Prewired Isolation Transformer
NEMA 3R Indoor/Outdoor Enclosure
Meets or Exceeds NEMA ST-20 Standards
Fully Potted / Encapsulated

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-120V-750VA-120V-N3R-3X3FT-M1 Single Phase Prewired 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-120V-750VA-120V-N3R-3X3FT-M1 provides increased reliability, higher efficiency, 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. The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 is a prewired transformer for customer installation and is equipped with 5` of 16/3 SOOW cable terminated in a NEMA 5-15P plug on the input side. This transformer is also equipped with (2) output IEC-320-C13 female connectors.

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

Transformer Features: The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 isolation transformer is a single phase unit with a 750 VA (0.75 kVA) rating and a primary voltage of 120 V AC on the primary side. This transformer has a secondary voltage of 120 V AC on the secondary side. 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`s primary and secondary windings are separated, allowing operators to connect the primary and secondary components to form an autotransformer. When the primary and secondary windings are connected, the unit is no longer an isolated transformer and becomes a buck-boost transformer (autotransformer). This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The NEMA 3R painted steel enclosure makes the unit suitable for both indoor and outdoor applications, and this prewired transformer can be wall mounted. The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 features a 130°C insulation with a 80°C temperature rise.

Construction: The aluminum winding in the MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 are formed from high quality aluminum wire 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. Isolation transformers are designed to maximize the performance and life of electrical equipment. The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 is encapsulated in silica sand and resin, and cased in a NEMA 3R steel enclosure. NEMA 4, NEMA 4X, and NEMA 12 enclosures are available upon request.

Benefits: The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 isolation transformer offers many benefits to the consumer. 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. Installation and maintenance costs are reduced due to the smaller form factor, and less overall space requirements are decreased. In addition, these transformers operate quieter than a standard autotransformer of the same capacity.

Wiring / Installation: The MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1 is equipped with a 5` 16/3 SOOW whip on the input side. The primary side whip is equipped with a NEMA 5-15P input plug. This transformer is also equipped with a pair of output IEC-320-C13 female connectors. Installation of this transformer is simple. Operators connect them to the corresponding current. For example, the 120V whip gets connected to 120V current.

Mounting: Integrated wall mounting brackets make installation fast and easy. Because of the smaller overall footprint, heavy machinery is rarely needed for mounting and installation.

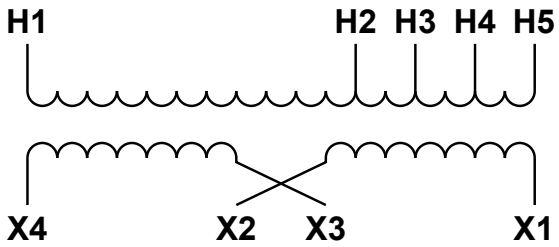
Applications: Air conditioners, lighting systems, heating elements, motor applications and other applications that that require the ability to power loads that differ from the available line voltage.

Limitations: While there are many benefits to an isolation transformer and there are some limitations to consider. This transformer will only transform voltage, it will not convert phases and does not allow use of the neutral. If any of these limitations apply to you, you will need a standard transformer. Please see below link for our standard line of industrial transformers or our line of phase converters.
Note on Phases: For three phase transformers, click on the following links:
Three Phase Delta Buck/Boost Transformers
Three Phase Wye Buck/Boost Transformers
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.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

MT-ISX-FP-1P-120V-750VA-120V-N3R-3X3FT-M1



Primary Volts	Connect Lines To
277	H1-H5
240	H1-H4
208	H1-H3
120	H1-H2

Secondary Volts	Connect Lines To	Inter-connect
120	X1-X4	X1-X3, X2-X4
120/240	X1-X2-X4	X2-X3
240	X1-X4	X2-X3

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Frequently Asked Questions (FAQ)