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

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Email: sales@LarsonElectronics.com
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MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R

10 kVA Prewired Isolation Transformer - 242.4V Primary - 230V Secondary Split Phase - N3R/1PH - Fully Potted/Encapsulated, (2) 3' Cords w/ 6-50 Cord Caps

Product ID: 321046

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



Image: MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R

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-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
kVA: 10
Primary Voltage: 242.2 V
Secondary Voltage: 230 V Split Phase
Taps: 2 x 2.5% FCAN; 2 x 2.5% FCBN
Impedance: -
Winding Material: Aluminum
Primary Wiring: 3' 6/3 SOOW Cord w/ 50A 250V 6-50P Plug
Secondary Wiring: 3' 6/3 SOOW Cord w/ 50A 250V 6-50C Connector
Mounting: Wall
Cooling: Air/Dry
Insulation: 180°C
Temperature Rise: 115°C
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R Heavy Duty - Steel
Finish: ANSI 61 Grey Finish
Dimensions: 15.19"H x 13.50"W x 10.84"D
Weight: 115 lb
Shipping Weight: 175 lb

Approvals/Ratings

NRTL Listed for United States and Canada
IP14 Rated
Prewired Isolation Transformer
Fully Potted / Encapsulated
NRTL Certified to C22.2 No. 47
NRTL Certified to UL 506

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Shipping Dimensions: 48" x 48" x 24"

E-mail: sales@larsonelectronics.com

The MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R 1 Phase Energy Efficient Fully Prewired Potted Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R provides increased reliability and protection against critical equipment failures. 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 10 kVA, the MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R transformer is a fully potted single phase unit with a primary voltage of 242.2 V. It also provides a secondary voltage of 230 V split phase. 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 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-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R fully potted general purpose 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.

Wiring: The primary side has a 3' 6/3 SOOW cord with a 50-amp 250V 6-50P plug. The secondary side features a 3' 6/3 SOOW cord with a 50-amp 250V 6-50C connector.

This fully potted 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.

Safety: The MT-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R 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-DOE16-FP-1P-242.2V-10KVA-230V-2X3FT-650-N3R 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: General purposes.

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):

- **Operations Manual**(https://www.larsonelectronics.com/images/product/Manual/321046.PDF)
- **Wiring Diagram**(https://www.larsonelectronics.com/images/product/WiringDiagram/321046.PDF)
- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/321046.JPG)
- **HigResPic2**(https://www.larsonelectronics.com/images/product/HigResPic2/321046.JPG)
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