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MT-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-N3R

50 KVA Isolation Transformer - 480V Delta Primary - 277Y/160V Wye Secondary - NEMA 3R - Fully Potted/Encapsulated - Taps, 50/60Hz

Product ID: 312185

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



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-3P-480D-50KVA-277Y.160V-TP-N3R Fully Potted Isolation Transformer	Ratings
Phase: Three Phase	NRTL Listed for United States and Canada
Frequency: 50/60 Hz	ANN Cooling
Capacity: 50 KVA	NEMA 3R Rated
Primary Voltage: 480V Delta	Fully Potted / Encapsulated
Taps: 4 x 5% FCBN	Isolation Transformer
Secondary Voltage: 277/160V Wye	
Winding Material: Aluminum	
Efficiency Regulation: DOE 16	
Insulation: 220°C	
Temperature Rise: 150°C	
Impedance (Std): -	
Seismic: Yes	
Sound Level: Meets NEMA ST-20 Standards	
Primary Termination: Terminal Lugs	
Secondary Termination: Terminal Lugs	**Special Orders - Special Requirements**
Enclosure Material: NEMA Type 3R Heavy Duty - Resin Encapsulated	Contact us for special requirements
Finish: ANSI 61 Grey Finish	**Toll Free: 1-800-369-6671**
Dimensions: 11.83"H x 14.17"W x 8.82"D	**Intl: 1-903-270-1187**
Weight: 140 lbs	**Fax: 1-903-498-3364**
Mounting: Floor Mount	**E-mail: sales@larsonelectronics.com**

The MT-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-N3R 3 Phase Energy

Efficient Fully Potted Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, this unit provides increased reliablity 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 50 KVA, the MT-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-N3R fully potted isolation transformer is a three phase unit with a primary voltage of 480V Delta. It also provides a secondary voltage of 277Y/160V Wye. 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 NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be wall mounted. The unit also features 220°C insulation with a 150°C temperature rise.

Benefits: The MT-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-N3R 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 isolation 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 brackets make installation fast and easy and the offset outward facing wall installation holes allow for easy power tool access.

Safety: The MT-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-N3R is an 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-DOE16-FP-3P-480D-50KVA-277Y.160V-TP-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)

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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**