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Email: sales@LarsonElectronics.com
Fax: 903.498.3364

MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R

5 kVA Isolation Transformer - 600V Delta Primary - 230Y/133 Wye Secondary - NEMA 3R - Fully Potted / Encapsulated

Product ID: 292842



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-600D-5KVA-230Y.133-N3R Fully Potted Isolation Transformer
Phase: Three Phase
Frequency: 60 Hz
kVA: 5
Primary Voltage: 600 V Delta
Taps: TBD
Secondary Voltage: 230Y/133 V Wye
Winding Material: Aluminum
Insulation: 180°C
Temperature Rise: 135°C
Impedance (Std): -
Seismic: Yes
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: -
Secondary Termination: -
Enclosure Material: NEMA Type 3R Heavy Duty Resin Encapsulated
Finish: ANSI 61 Grey Finish
Dimensions: 13.10"H x 15.10"W x 8.10"D
Weight: 119 lb
Mounting: Wall Mount

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

Special Orders - Special Requirements
Contact us for special requirements
Intl: 1-214-616-6180
Toll Free: 1-800-369-6671
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R 600 V Delta 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, the MT-DOE16-FP-3P-600D-5KVA-230Y.133-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 5 kVA, the MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R fully potted/encapsulataed isolation transformer is a three phase unit with a primary voltage of 600 V Delta. It also provides a secondary voltage of 230Y/133 V 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 resin encapsulated 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 180°C insulation with a 135°C temperature rise and is rated IP14.

Benefits: The MT-DOE16-FP-3P-600D-5KVA-230Y.133-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/encapsulated 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.

Safety: The MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R is a fully potted 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-600D-5KVA-230Y.133-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.

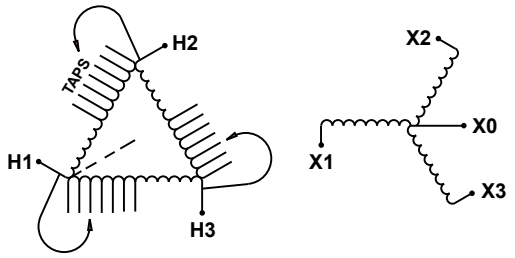
Applications: General purposes.

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.

Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

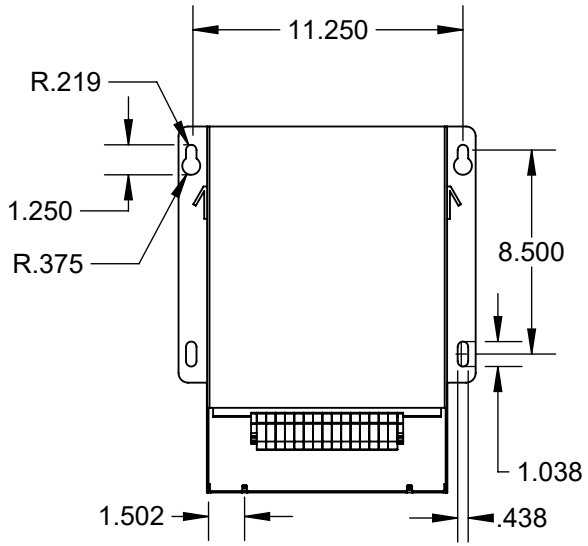
MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R

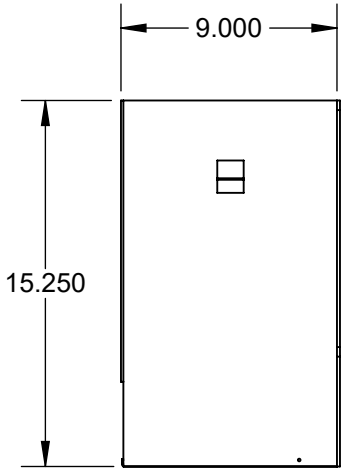


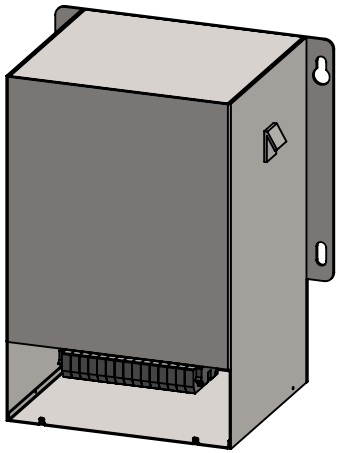
PRIMARY VOLTS	
CONNECT LINES TO H1, H2, H3	
TAP	VOLTAGE
1	630
2	600
3	570

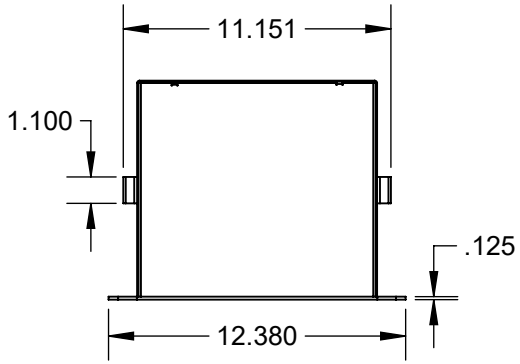
SECONDARY VOLTS	
CONNECT LINES	VOLTAGE
X1, X2, X3	230
X0-X1, X0-X2, X0-X3	133

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PART NUMBER:

MT-DOE16-FP-3P-600D-5KVA-230Y.133-N3R

SIZE		REV
A		1

DIMENSIONS ARE IN INCHES				
DO NOT SCALE DRAWING	DATE	4/11/2024	SCALE: NTS	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LARSON ELECTRONICS LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LARSON ELECTRONICS LLC IS PROHIBITED.


LARSON ELECTRONICS
DRY TYPE ISOLATION/BUCK- BOOST TRANSFORMER
MT-BBT
H1 H3 H2 H4
Cooling: ANC
Frequency: 50/60Hz
Encl. Type: 3R
Winding: Copper
This transformer can be wired as both an isolation transformer and buck-boost transformer. Refer to wiring instructions for details.
LISTED
X4 X2 X3 X1
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DANGER – HIGH VOLTAGE
DANGER – HAUTE TENSION


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Frequently Asked Questions (FAQ)