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MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU

7.5 KVA Isolation Transformer - 230V Primary - 115/230V Secondary - NEMA 4X - Stainless - Single Phase - Copper - Fully Potted / Encapsulated

Product ID: 309878



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-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
Capacity: 7.5 KVA
Primary Voltage: 230 V
Primary BIL: 10 kV
Primary Tap Changer: Included 4-Position Tap Changer
Primary FCAN: N/A
Primary FCBN: (3)
Secondary Voltage: 115/230 V
Secondary BIL: 10 kV
Winding Material: Copper
Efficiency: DOE 2016
Cooling Class: ANC
Insulation: 180°C
Temperature Rise: 115°C
Impedance (@ 135°C): 1.98%
Seismic Zone: Zone 4
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: Mechanical Type Lugs Suitable For #14-2 Cu/Al Conductors
Secondary Termination: 1-Hole Pad Terminal, Copper, 1/8" Thick
Enclosure Material: NEMA Type 4X - 304 Stainless Steel
Finish: ANSI 61 Grey
Dimensions: 12.25"-W, 9.25"-D, 17.63"-H
Weight: 181 lbs
Mounting: Floor

Ratings

NRTL Listed for United States and Canada
ANC Cooling
IP66 Rated
Isolation Transformer
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-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU 7.5 KVA 1 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-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU 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. The MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU features a NEMA 4X rated stainless steel enclosure.

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

Transformer Features: With a transformer rating of 7.5 kVA, the MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU isolation transformer is a single phase unit with a primary voltage of 230 V. It also provides a secondary voltage of 115/230 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 unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The stainless steel NEMA Type 4X enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 180°C insulation with a 115°C temperature rise and is rated IP66.

Benefits: The MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU isolation transformer offers many benefits to the consumer. Precision cut copper 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 floor mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

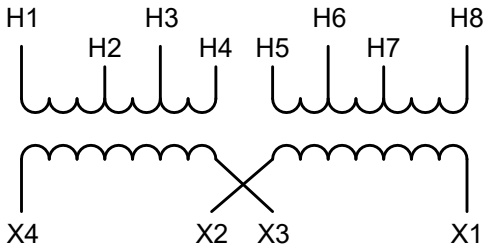
Safety: The MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU is an encapsulated isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-DOE16-SS-FP-1P-230V-7.5KVA-115.230V-N4X-60HZ-CU 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!*



Primary Volts	Connect Lines To	Inter-connect
277	H1-H8	H4-H5
240	H1-H8	H3-H6
208	H1-H8	H2-H7
120	H1-H8	H1-H6, H3-H8

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

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H1
H2
7 5 3 1
2 4 6 8
X4
X2
X3
X1
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Frequently Asked Questions (FAQ)