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MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X

3 kVA Isolation Transformer - 480V Primary - 120/240V Secondary - NEMA 4X - Stainless Steel - Fully Potted

Product ID: 293068



Image: MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X

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-480V-3KVA-120.240V-N4X Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
kVA: 3
Primary Voltage: 480 V
Primary FCAN: None
Primary FCBN: None
Secondary Voltage: 120/240 V
Winding Material: Aluminum
Insulation: 180°C
Temperature Rise: 115°C
Impedance (Std): -
Seismic Zone: Zone 4
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: Front Accessible Terminals
Secondary Termination: Front Accessible Terminals
Enclosure Material: NEMA Type 4X Heavy Duty Stainless Steel - Resin Encapsulated
Finish: Natural
Dimensions: 7.13"D x 7.81"W 12.5"H
Weight: TBD
Shipping Dimensions: -
Shipping Weight: 75 lb
Mounting: Wall Mount

Ratings

NRTL Listed for United States and Canada
ANN Cooling
IP66 Rated
Fully Potted / Encapsulated
DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
NRTL Certified to C22.2 No. 47
NRTL Certified to UL 506
Isolation Transformer

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-480V-3KVA-120.240V-N4X 480 V 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-480V-3KVA-120.240V-N4X 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 3 kVA, the MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X transformer is a single phase unit with a primary voltage of 480 V. It also provides a secondary voltage of 120/240 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 Standard NEMA Type 4X stainless steel 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 and is rated IP66. These units are also available in NEMA 2, NEMA 3R, and NEMA 4 configurations. Please email Larson Electronics at sales@larsonelectronics.com for more information.

Benefits: The MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X 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.

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 and the offset outward facing wall installation holes allow for easy power tool access.

Safety: The MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X 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-480V-3KVA-120.240V-N4X 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

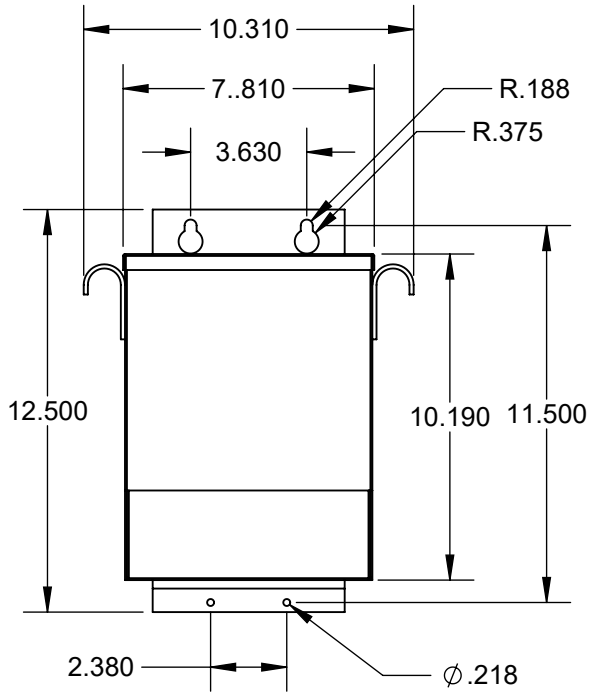
WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

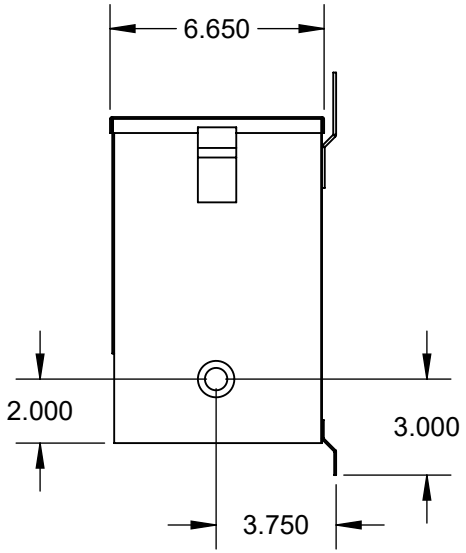
MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X

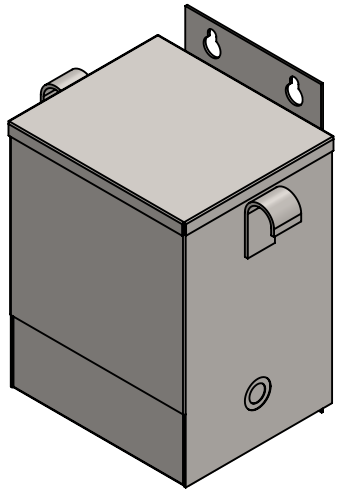
Primary Volts	Connect Lines To	Interconnect
240	H1-H4	H1-H3 & H2-H4
480	H1-H4	H2-H3

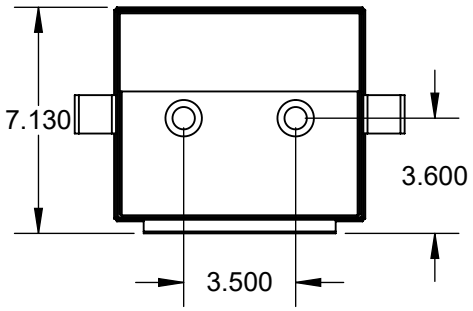
Secondary Volts	Connect Lines To	Interconnect
120	X1-X4	X1-X3, X2-X4
120/240	X1-X2-X4	X2-X3
240	X1-X4	X2-X3

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LARSON ELECTRONICS®

PART NUMBER:

MT-DOE16-SS-FP-1P-480V-3KVA-120.240V-N4X

SIZE		REV
A		1

DIMENSIONS ARE IN INCHES				
DO NOT SCALE DRAWING	DATE	3/17/2026	SCALE: NTS	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

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Frequently Asked Questions (FAQ)

There are no Faqs