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MT-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU

25 kVA Isolation Transformer - 240x480V Primary - 120/240V Secondary - Stainless Steel - NEMA 4X - IP66

Product ID: 265412



Image: MT-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU

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-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU Fully Potted Isolation Transformer

Phase: Single Phase
Frequency: 60 Hz
kVA: 25
Primary Voltage: 240x480 V
Primary Connection: Parallel x Series (Vx2V)
Primary FCAN (Std): 2 x 2.5%
Primary FCBN (Std): 4 x 2.5%
Secondary Voltage: 120/240 V
Secondary Connection: Parallel/Series-N (V/2V)
Winding Material: Copper
Efficiency Regulation: No Efficiency Specification
Insulation: 180°
Temperature Rise: 115°C
Primary Termination (Std): Mechanical Lugs
Secondary Termination (Std): Mechanical Lugs
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 4X Stainless Steel 316 - Resin Encapsulated
Finish: Stainless Steel 316 Polished
Dimensions: 25.59"H x 15.75"W x 15.75"D
Weight: 374.8 Lbs
Mounting: Floor

Ratings

NRTL Listed for United States and Canada
Stainless Steel Enclosure
Dry Type Cooling
IP66 Rated
Fully Potted / Encapsulated

Special Orders - Special Requirements

Contact us for special requirements
Fax: 1-903-765-7664
Toll Free: 1-800-369-6671
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The MT-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU 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-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU 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 25 kVA, the MT-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU transformer is a single phase unit with a primary voltage of 240x480 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 stainless steel Type 4X enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 180° insulation, a 115°C temperature rise, and is rated IP66.

Benefits: The MT-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X-CU general purpose 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 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.

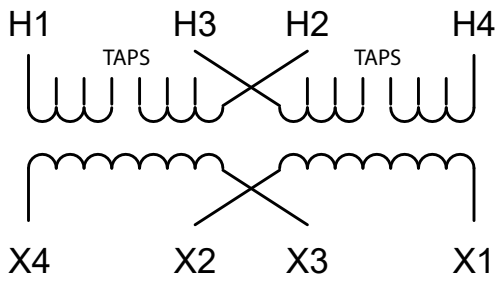
Applications: General purposes.

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-ISX-SS-FP-1P-480V-25KVA-120.240V-N4X



Primary Volts	Connect Lines To	Interconnect
480	H1-H4	H2-H3
240	H1-H4	H1-H3, H2-H4
CONNECT TAPS 3-4		

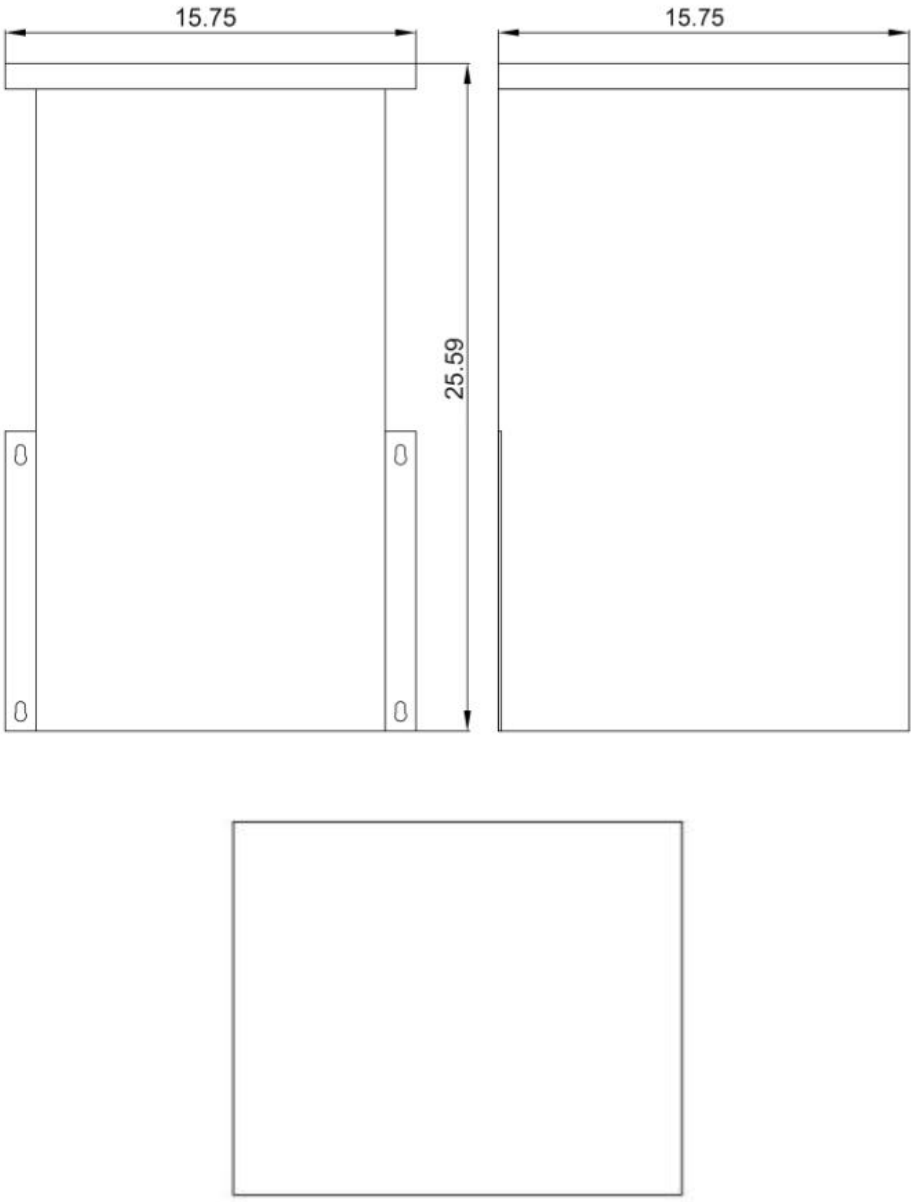
Secondary Volts	Connect Lines To	Interconnect
240	X1-X4	X2-X3
120/240	X1-X2-X4	X2-X3
120	X1-X4	X1-X3, X2-X4

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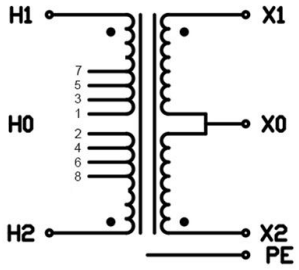
Single-phase dry type transformer

Specification

I.Outline drawing



2.Schematic diagram



Primary voltage:240V/480V With 2x2.5% FCAN,4x2.5% FCBN taps
Secondary voltage:120V/240V

II.Technical parameters

No.	Description	
1	Model	DG-25KVA
2	Name	Single-phase dry type transformer
3	Rated power	25KVA
4	Input voltage	240V/480V with 2x2.5% FCAN,6x2.5% FCBN taps
5	Input current	52A
6	Output voltage	120V/240V
7	Output current	104.1A
8	Phase	Single
9	Frequency	60Hz
10	Insulation class	C
11	Withstand voltage test	Primary to secondary 2500V/60S Primary to grounding 2500V/60S Secondary to grounding 2500V/60S
12	Insulation resistance	Primary to secondary >100M Ω Primary to grounding >100M Ω Secondary to grounding >100M Ω
13	Induced withstand voltage	125Hz/Double voltage/min
14	Grounding resistance	25A<100m Ω
15	Cooling method	Air cooling
16	Ratio	<3%
17	Temperature rise	<150℃
18	Overall dimensions（AxBxC）	21.65’x19.69’x27.56’
19	Weight	374.8Lbs

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Frequently Asked Questions (FAQ)

There are no Faqs