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ETX-ISX-1P-120V-0.5KVA-220V-50HZ

0.5 KVA Explosion Proof Transformer - Class I, II, III - 120V to 220V 1PH, 50 Hz - Surface Mount - N4X

Product ID: 310068

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.

ETX-ISX-1P-120V-0.5KVA-220V-50HZ Explosion Proof Isolation Transformer

Phase: Single Phase
Frequency: 50Hz
kVA: 0.5 (500VA)
Primary Voltage: 120V
Secondary Voltage: 220V
Winding Material: Copper
Taps: None
Insulation: 155°C
Temperature Rise: 115°C
Primary Termination: -
Secondary Termination: -
Sound Level: Meets NEMA ST-20 Standards
Cover Type: Bolted
Enclosure Material: Copper-free Aluminum (Grey)
Mount: Surface Mount
Mounting Leg Height: 0.25"
Mounting Dimensions (Horizontal) Height: 12.94"
Mounting Dimensions (Horizontal) Width: 4.94"
Mounting Dimensions (Vertical) Height: 4.94"
Mounting Dimensions (Vertical) Width: 12.94"
Backplate: N/A

Approvals/Ratings

Class I, Divisions 1&2 Groups B,C,D
Class I, Zones 1&2 Groups IIB+H2,IIA
Class II, Divisions 1&2 Groups E,F,G
Class III
NEMA 3, 4, 4X
CENELEC/ATEX/IEC Ex
Ex d IIB + H2 T5 or T6
Ex tD A21 IP66
Tamb = + 60°C
CSA Certified
ANC Cooling
Isolation Transformer

Hinges: N/A

Maximum Conduit Size: 3"

Total Hubs: 2

Hub Size: (2) 3/4" NPT

Hub Location: (1) 3/4" NPT @ East Side, (1) 3/4" NPT @ West Side

Dimensions: 15.25" x 8.9" x 15.25"

Weight: 110 lbs

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Special Orders - Special Requirements
Contact us for special requirements

Intl: 1-903-270-1187

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The ETX-ISX-1P-120V-0.5KVA-220V-50HZ 120V Explosion Proof Fully Potted Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for Class I, II and III rated combustible sites, the ETX-ISX-1P-120V-0.5KVA-220V-50HZ provides increased reliability, protection against critical equipment failures and an extra level of protection by isolating the power source from the connected device. This NEMA 4X rated unit features two, 3/4" NPT hubs on the enclosure.

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

Transformer Features: With a transformer rating of 0.5kVA (500VA), the ETX-ISX-1P-120V-0.5KVA-220V-50HZ fully potted explosion proof isolation transformer is a single phase unit with a primary voltage of 120V. It also provides a secondary voltage of 220V. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology. This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The transformer also features a 155°C insulation with a 115°C temperature rise.

This unit is protected by a copper-free aluminum enclosure and includes a watertight gasket for a NEMA 4X rating. The explosion proof transformer is designed for Class I, Divisions 1 & 2 (Groups B,C,D); Class I, Zones 1 & 2 (Groups IIB+H2,IIA); Class II, Divisions 1 & 2 (Groups E,F,G) and Class III rated combustible sites. The NEMA 4X rating makes the unit suitable for both indoor and outdoor applications, as well as ensures protection from water, dust, moisture, dirt and external ice formation. Equipped with a bolted cover, the grey explosion proof power device is compatible with surface-mount applications.

Benefits: The ETX-ISX-1P-120V-0.5KVA-220V-50HZ 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 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 ETX-ISX-1P-120V-0.5KVA-220V-50HZ is an explosion proof 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 ETX-ISX-1P-120V-0.5KVA-220V-50HZ achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

Hubs: The explosion proof transformer contains a total of two, 3/4" NPT hubs. One, 3/4" NPT hub is located on the east side and one, 3/4" NPT hub is located on the west side of the unit.

Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting Systems, Oil and Gas, Marine Sites, Textile, Food Processing, Chemical Storage, Wet areas or Locations Where Combustible Dust is Present.

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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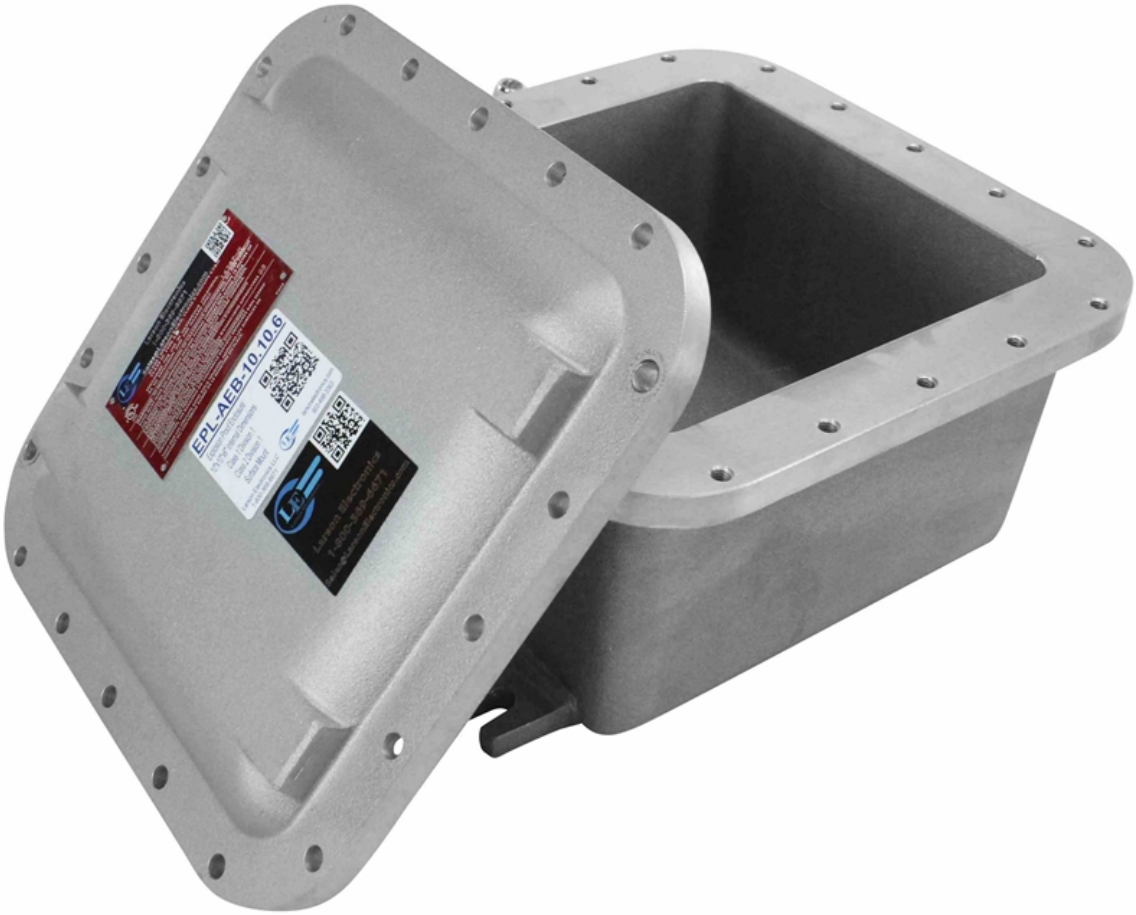
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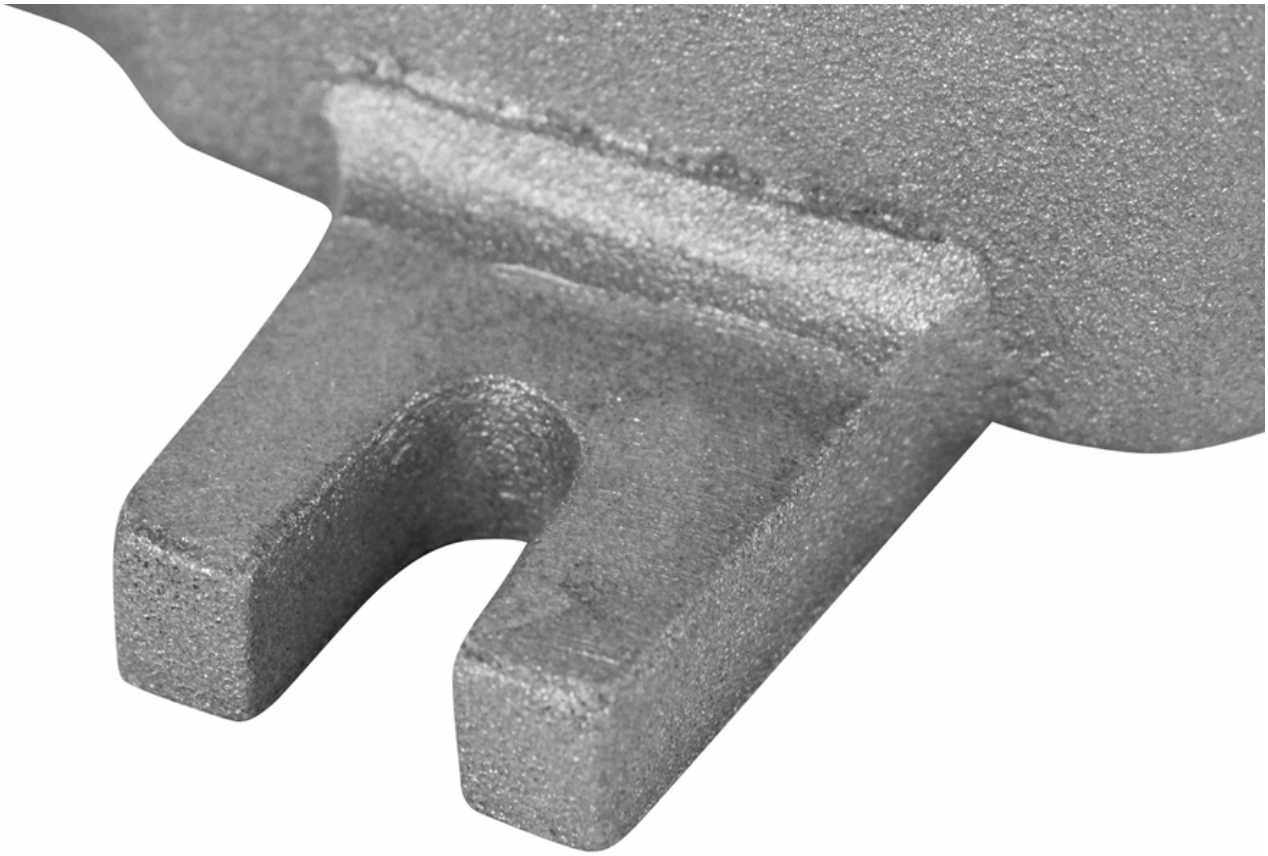



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- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**