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## ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES

# 60 kVA Hazardous Location Transformer, 400V Delta Primary, 400Y/230 Wye-N Secondary, NEMA 4X, ATEX-Zone 2+22 IIA/T3

**Product ID: 344701**



Image: ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES

**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.**

**ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES Hazardous Location Transformer**

**Transformer Type:** Encapsulated Isolation Dry Cast Resin Type
**Phase:** Three Phase

**Frequency:** 50 Hz

**Capacity:** 60 KVA
**Primary Voltage:** 400V ±5%
**Primary Connection:** Delta + Earth

**Primary Power Frequency Withstand Voltage:** 2.5 kV for 1 min.

**Tap Changer:** ± 2 x 2.5%
**Secondary Voltage:** 400Y/230 ±5%
**Secondary Connection:** Wye-N + Earth

**Secondary Power Frequency Withstand Voltage:** 2.5 kV for 1 min.

**Cooling Type:** AN
**Vector Group:** Dyn11
**Winding Material:** High-grade electrolytic copper
**Efficiency:** ≥ 95.0%
**Impedance:** 4.0%
**Voltage total harmonic distortion (THD):** 5% maximum
**Insulation system thermal class:** Class F, 155°
**Temperature Rise:** 115°C
**Shield:** Single (Between Primary & Secondary Windings)
**Primary Termination (Std):** Mechanical Lugs, with gland plates suitable for cable 3C50+PE25 (mm2) , 23.436mm (OD)

**Approvals/Ratings**

NRTL Listed for United States and Canada
NEMA 4X
IEC Ex/ ATEX certified Ex enclosure suitable for operating in Zone IIA +22
Hazardous Area Classification

**Primary Overcurrent Protection (OCP):** Included, MCCB

**Secondary Termination (Std):** Mechanical Lugs, with gland plates suitable for cable 3C50+N50+PE25 (mm2), 26.598mm (OD)

**Secondary Overcurrent Protection (OCP):** Included, MCCB

**Neutral Termination:** TN-S-Earthing
**Neutral grounding:** Solidly Earthed
**Earth bar material:** Copper, Tinned plated
**Cable Gland Size:** Brass -Nickel plated M40
**Duty:** Continuous

**Temperature Sensor:** Included, 3 x PT 100

**Temperature Controller Display:** Included, (1)

**Insulation:** Non-hygroscopic, flame retardant and self-extinguishing impregnation and encapsulation
**Core Material:** High grade, low loss, and grain-oriented cold rolled steel sheet
**Installation Location:** Outdoor – open area
**Hazardous Area Classification:** Zone 2 + 22
**Gas group / Temperature classification:** Gas Grp IIA, Temp Class T3
**Type of dust / Temperature classification:** Non-conducive (Zone 22)

**Ambient Temperature Rating:** 40°C

**Altitude:** < 3,300ft above Sea Level
**Relative humidity:** 59% (Avg.) / 100% (Max.)
**Sound Level:** 85 dBA at 3.3ft from the equipment

**Cable Entry:** Bottom, by Cable Gland (Brass-Nickel Plated)

**Space Heater:** Included, w/ internal derived power
**Enclosure Material:** NEMA Type 4X Heavy Duty Ventilated, Stainless Steel, w/ sunshade extended on front and read sides
**Finish:** RAL 7035
**Dimensions:** 29.88"H x 31.00"W x 16.00"D
**Weight:** 1,600 lbs

**Special Orders - Special Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671
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**E-mail:** sales@larsonelectronics.com

**The ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES 3 Phase Energy Efficient Hazardous Location Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES provides increased reliability, protection against critical equipment failures and an extra level of protection by isolating the power source from the connected device. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses. This transformer is approved for use in Class I Division 2 Groups A, B, C & D hazardous environments.**

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

**Transformer Features:** With a transformer rating of 60 kVA, the ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES hazardous location transformer is a three phase unit with a primary voltage of 400V Delta. It also provides a secondary voltage of 400Y/230V Wye-N. 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 standard NEMA Type 4X enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 155° insulation with a 115°C temperature rise, T3 temperature class.

**Benefits:** The ATEX-MT-HAL-SS-3P-400D-60KVA-400Y.230-N4X-CU-ES hazardous location transformer offers many benefits to the consumer. Precision cut copper transformer winding material helps to improve performance. The close tolerances used during manufacturing also eliminate burrs, which hinder performance. Each core is specially coated to prevent the ingress of moisture and is 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 turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated floor and wall mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

**Applications:** General purposes in Class I Division 2 Groups A, B, C & D hazardous locations.

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)

There are no Faqs