

HLSW-AE.EX-PMU-TSW-2P-RY-C3-S-01

Explosion Proof 2-position Toggle Switch - 16A, 100-250V AC - ATEX/IECEX - Red/Yellow

Product ID: 257527



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.

HLSW-AE.EX-PMU-TSW-2P-RY-C3-S-01 Hazardous Location Control Device

Listing: NRTL Listed to ATEX/IECEX Standards

Unit Type: Explosion Proof Toggle Switch

Dimensions: 5.69" x 3.03" x 1.73"

Weight: -

Voltage Rating: 100-250V AC 50/60 Hz, 10-110V DC

Switch Type: 2-position, Toggle

Label: -

Contacts: (1) NO, (1) NC

Mechanical Life: 100,000+ Operations

Amperage Rating: 16A (100-250V AC), 1A (10-110V DC)

Operating Temp: -40 to +40 / +55

Materials: -

Mount: Panel

Terminals: (2) 2.5mm

Cable Gland Diameter: 5.5 ~ 13mm

Color: Safety Red/Yellow - Black Optional

Ratings/Approvals

Approved for Zone 1 & Zone 2

Approved for Zone 21 & Zone 22

ATEX EX II 2 GD

IEC Ex d e IIC T6 Gd IP66

IEC Ex tb IIC T80°C Db

Temp Rating -40Ta40/55

NRTL Certified to IEC 60079

NRTL Certified to EN 60079

CE Certified

Conforms to CE 0575

IP66 Weatherproof

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

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E-mail: sales@larsonelectronics.com

PLEASE NOTE: The HLSW-AE.EX series of explosion proof switches, operators, buttons, lights, and dials are certified to European Union (ATEX) and International (IEC Ex) standards and are approved for installing in these locations. This unit IS NOT certified to United States (NEC) or Canadian (CEC) standards for hazardous location. This unit DOES NOT carry UL or CSA ratings. Please contact Larson Electronics for NEC/CEC equivalent version of this product if you intend to install the product in United States, Canada, or any country that followed NEC or CEC electrical standards.

The HLSW-AE.EX-PMU-TSW-2P-RY-C3-S-01 from Larson Electronics is an Explosion Proof Toggle Switch that is suitable for preventing the ignition of external, flammable atmospheres in ATEX/IECEX rated areas. This 16-amp unit is equipped with two positions. The panel-mount device contains two terminals for wiring connections.

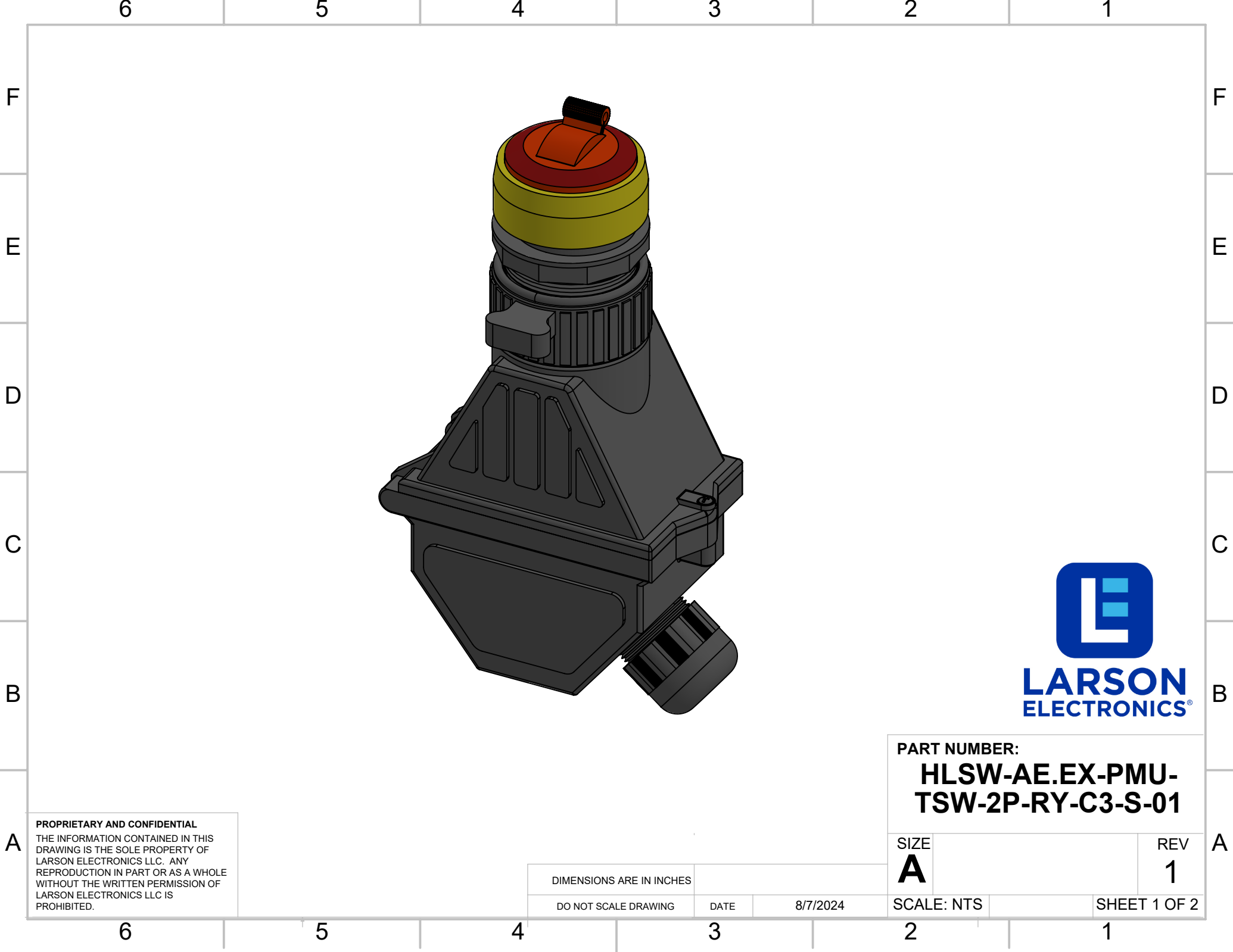
PLEASE NOTE: The HLSW-AE.EX series of explosion proof switches, operators, buttons,

lights, and dials are certified to European Union (ATEX) and International (IEC Ex) standards and are approved for installing in these locations. This unit IS NOT certified to United States (NEC) or Canadian (CEC) standards for hazardous location. This unit DOES NOT carry UL or CSA ratings. Please contact Larson Electronics for NEC/CEC equivalent version of this product if you intend to install the product in United States, Canada, or any country that followed NEC or CEC electrical standards.

The HLSW-AE.EX-PMU-TSW-2P-RY-C3-S-01 is a hazardous location control device for use in ATEX/IECEx rated environments. The two-position toggle switch operates on 100-250V AC 50/60Hz @ 16 amps and 10-110V DC @ 1 amp. This switch is finished in safety red/yellow (black optional) and offers more than 100,000 cycles. Contact configuration is (1) normally open and (1) normally closed. Equipped with an IP66 weatherproof rating, this device is compatible with panel mounting requirements. Two terminals are accessible for wiring connections. This explosion proof switch accepts 5.5-13mm cable gland diameter.

Applications: Chemical processing facilities, food processing plants, oil refineries, agricultural sites, grain storage facilities, metal processing and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

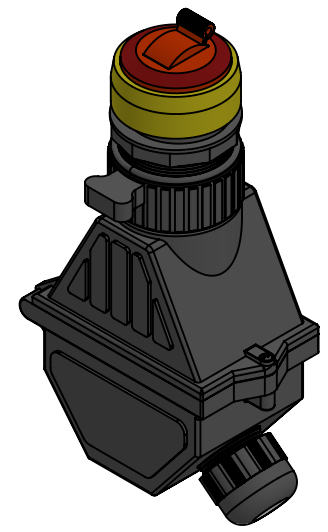
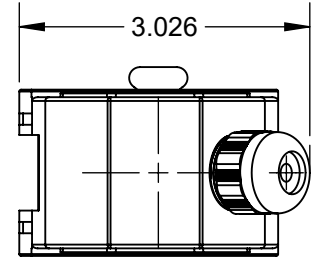
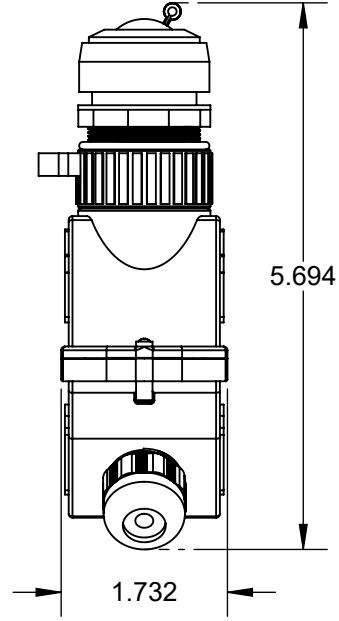
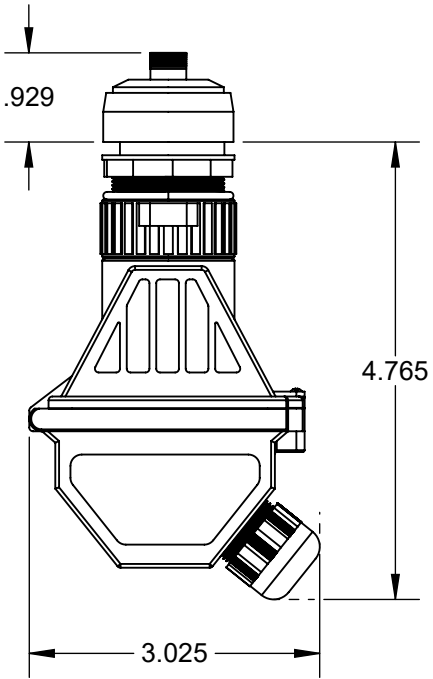
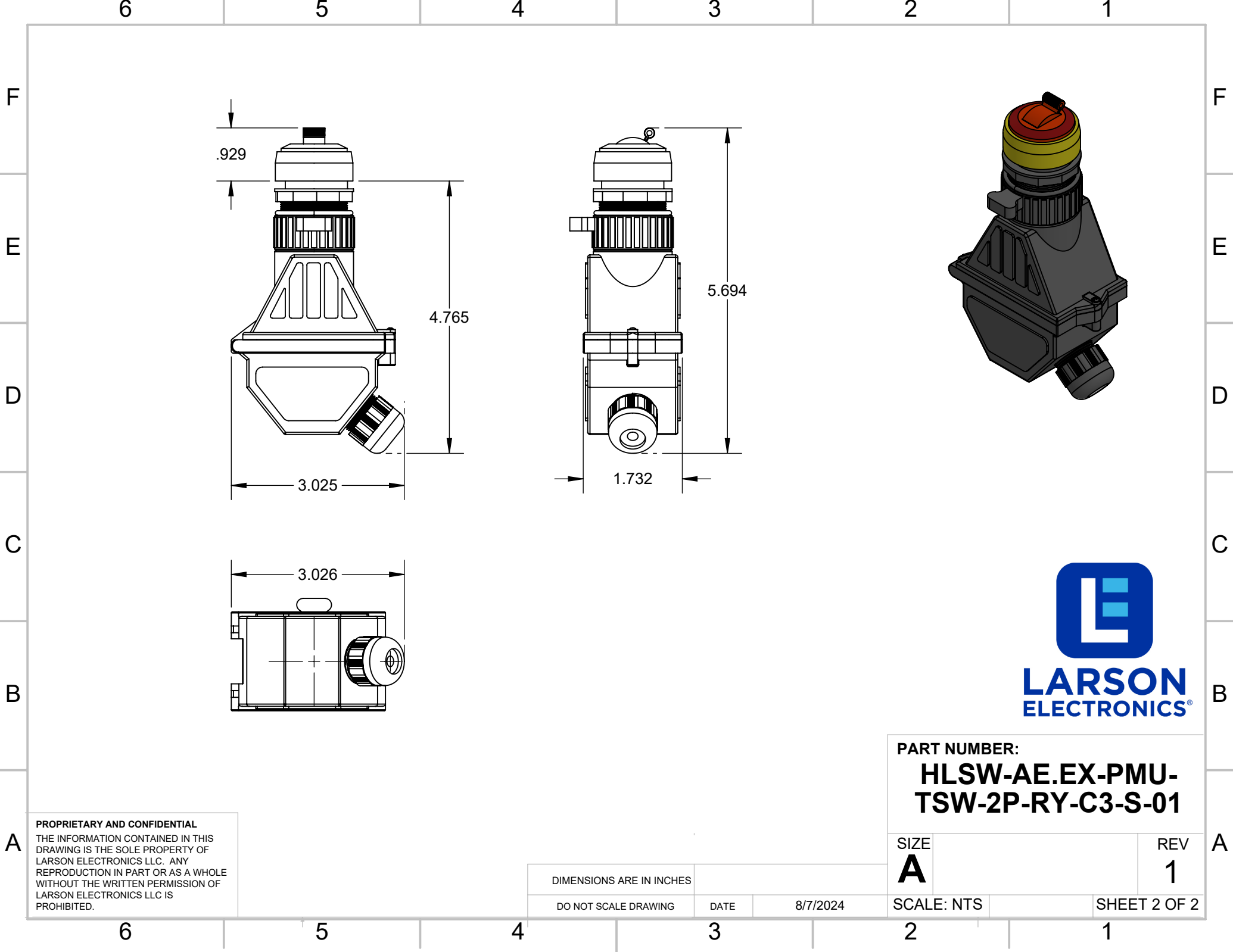


PART NUMBER:
**HLSW-AE.EX-PMU-
TSW-2P-RY-C3-S-01**

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DIMENSIONS ARE IN INCHES			
DO NOT SCALE DRAWING	DATE	8/7/2024	
SCALE: NTS		SHEET 1 OF 2	

SIZE	REV
A	1



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PART NUMBER:
HLSW-AE.EX-PMU-
TSW-2P-RY-C3-S-01

SIZE			REV
A			1
SCALE: NTS			SHEET 2 OF 2

DIMENSIONS ARE IN INCHES			
DO NOT SCALE DRAWING	DATE	8/7/2024	





Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: HLSW-AE.EX-PMU Series
Description: Flameproof Operators, Indicators, and Devices

The HLSW-AE.EX-PMU series of flameproof operators, indicators, and devices (push buttons, mushroom push buttons, indicator lights, dials, switches, and potentiometers) are comprised of a CZ0201 and/or CZ0203 series device(s), wired and assembled to voltage and wiring per sku variants. The device may include custom external mounting brackets, labeling, hub configurations, or other customizations. The HLSW-AE.EX-PMU Series complies with the essential protection requirements of the European Parliament of the Council Directive for ATEX Directive and IEC Ex certified. This certification applies to all specimens manufactured in accordance to the manufactures drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC EPL, EPCS, EPS, EPSW, HLX, and HLSW industrial line of switches and operators for hazardous locations are considered “ARTICLES” under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

- i. Which is formed to a specific shape or design during manufacture;
- ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
- iii. Which under normal conditions does not release more than very small quantities.

The “hazardous location” and “explosion proof” are terminology for the environment where these products will be installed. This is not to be confused with “hazardous materials;” this product does not contain any hazardous materials.

Regards,

Ray Smith
Larson Electronics, LLC.



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: HLSW-AE.EX-PMU Series
Description: Flameproof Operators, Indicators, and Devices

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The HLSW-AE.EX-PMU Series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
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Evaluated Listings:

CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: *James Thomas*

Name: James Thomas
Position: Operations Manager



Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

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Model: HLSW-AE.EX-PMU Series
Description: Flameproof Operators, Indicators, and Devices

Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union ("EU") Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances ("REACH").

REACH does not apply to manufactured products which are referred to as "completed articles". Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature:

Name: James Thomas
Position: Operations Manager

Frequently Asked Questions (FAQ)