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HLSW-AE.EX-LS-H04-1-C7

Explosion Proof Limit Switch - Straight M12 Threaded Push Rod - 320V AC/250V DC - Panel Mount - ATEX/IECEx - Single Action Head

Product ID: 268733

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.

HLSW-AE.EX-LS-H04-1-C7 Flameproof Position Switch

Listing: NRTL Listed for ATEX/IECEx Locations
Unit Type: Explosion Proof Limit Switch
Operator Type: Horizontal Thermoplastic Roller or Vertical Push Rod
Dimensions: 2" x 0.47" x 1.14"
Weight: 0.23 lb
Rated Voltage: 320V AC, 250V DC
Rated Frequency: 50/60 Hz
Maximum Amps: 10 A
Limit Short-circuit Current: 1 kA
Short-circuit Protection: 16A/500 V
Protection: Gg
Contacts: (1) NO, (1) NC with Early Make / Late Break Contact
Contact Operation: Slow Action
Trigger Head: Single Action Head
Tripping Angle: 30° Flanged
Maximum Tripping Speed: 1 m/s
Minimum Power/Torque: 6N - Trigger, 18N - Breaking Definitely
Operating Temp: -20°C to +40°C
Housing Material: Static Resistant Plastic Alloy
Mounting: Panel Mount

Features/Ratings

Approved for Zone 1 and 2
Approved for Zone 21 and 22
Ex db e IIC T6 Gb
Ex db e IIC T5 Gb
Ex tb IIIC T80°C Db
Ex tb IIIC T95°C Db
IP66

Special Orders - Special Requirements

Contact us for special requirements

Terminals: (4) 0.5 - 1.5mm

Cable Entry: (1) M20 x 1.5 - Molded Plastic

Maximum Cable OD: 5.5mm-13mm

Toll Free: 1-800-369-6671

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PLEASE NOTE: Thie 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 equvilant 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 Larson Electronics HLSW-AE.EX-LS-H04-1-C7 Explosion Proof Limit Switch offers automatic operation, control, and activation of equipment or functions in Zones 1/2 and Zones 21/22 rated combustible locations. This slow-action device is compatible with 320 V AC/250V DC and contains one set of NO and one set of NC contacts (with early make / late break contact). The IP66-rated explosion proof position switch is protected by a static resistant plastic alloy housing.

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The HLSW-AE.EX-LS-H04-1-C7 is an explosion proof limit switch for industrial machinery in flammable environments. This slow-action unit features a straight M12 threaded push rod operator. The device is rated for 320 V AC, 50/60 Hz and 250 V DC with a maximum current rating of 10 amps. Short circuit protection is set at 16 amps / 500 V. This explosion proof limit switch is constructed of static resistant plastic alloy to reduce the creation of sparks. The IP66-rated device is suitable for ATEX/IECEx rated work sites with operating temperatures ranging between -20°C and 40°C.

The explosion proof position switch contains one set of normally open and one set of normally closed contacts with with early make / late break contact. An early make contact has the operator rigged so the NO contacts will close BEFORE the NC contacts open or the normal NO contacts close. A late break contact has the operator rigged so the NC contacts won`t open until AFTER the NO contacts have closed and normal NC contacts are opened.

Wiring: This flameproof position switch is equipped with four terminals (0.5-1.5mm). Cable entry is facilitated by one M20 x 1.5 molded plastic hub. Maximum outer cable diameter range for the hub is 5.5mm to 13mm.

Mounting: The HLSW-AE.EX-LS-H04-1-C7 is compatible with panel mounting applications. This unit can be mounted in enclosures with 360° slots and can be adjusted every 15°.

Applications: Petroleum refineries, chemical and petrochemical plants, paint spray booths, food manufacturing buildings, agricultural operations, grain storage centers, industrial equipment 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.

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Frequently Asked Questions (FAQ)

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Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**