

Product ID: 263983

Please see last page for supporting documentation for this product (certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Image:

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-FG-PB-16A-MB-BLK-C14-N-W1-G1 Flameproof Push Button

Listing: NRTL Listed for ATEX/IECEx Locations

Unit Type: Explosion Proof Single Push Button

Dimensions: 3.74" x 3.38" x 2.99" (95mm x 86mm x 76mm)

Weight: 0.82 lbs

Rated Voltage: 100-250V AC, 10-110V DC

Rated Frequency: 50/60Hz

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

Mechanical Life: 100,000+ Operations

Push Button Type: Maintained

Push Button Color: Black

Contact Configuration: (1) Normally Open and (3) Normally Closed

Label/Marking: -

Operating Temp: -40°C to +50°C

Materials: Static Resistant Plastic Alloy (Housing), Silver (Contacts)

Mounting: Surface

Terminals: 2.5mm (Component), 4mm (PE)

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

Maximum Cable OD: 5.5mm-13mm

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.

Ratings

Approved for Zone 1 and 2

Approved for Zone 21 and 22

ATEX EX II 2 GD

IEC Ex d e IIC T6 Gd IP66

IEC Ex tb IIC T80°C Db

Temp Rating -40°C ≤ Ta ≤ 50°C

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

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The Larson Electronics HLSW-AE.EX-FG-PB-16A-MB-BLK-C14-N-W1-G1 Explosion Proof Black Push Button is a compact solution for controlling industrial machinery or equipment in flammable environments. This device is compatible with 100-250V AC/10-110V DC and contains (1) N/O & (3) N/C contacts. The IP66-rated single push button is protected by a static resistant plastic alloy housing.

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-FG-PB-16A-MB-BLK-C14-N-W1-G1 is designed for use in Zones 1/2 and Zones 21/22 rated combustible locations. This unit is rated for 100-250V AC at 16 amps and 10-110V DC at 1 amp. Featuring more than 100,000 operating cycles, the flameproof Black push button operates with maintained action (momentary action is available). The device may also be offered with standard lockout/tag out and maintained lockout features. This push button can be added to custom control station builds that contain pilot lights, other push buttons, emergency stop, selector switches, sensors and more.

This explosion proof push button is constructed of static resistant plastic alloy with silver contacts. The IP66-rated device is suitable for ATEX/IECEx rated work sites with operating temperatures ranging between -40°C and +50°C. There are no labels or marking on this push button. We offer both custom labels (upon request) and the following selection of markings at an additional cost: On, Off, Start, Stop, I, O, Forward, Reverse and directional arrows.

The weatherproof unit contains (1) Normally Open and (3) Normally Closed (1) normally open and (1) normally closed contacts. We offer a variety of contact configurations, such as: (2) normally open, (2) normally closed, (2) normally open and (2) normally closed, (4) normally open, (4) normally closed, (3) normally open and (1) normally closed, as well as (1) normally open and (3) normally closed.

Wiring: This non-illuminated device is equipped with 2.5mm terminals for component connections and 4mm terminals for PE connections. Cable entry is facilitated by one M20 x 1.5 molded plastic hub located at the bottom of the unit. To cater to other system or project requirements, we can offer this push button in M20 or M25, as well as in nickel-plated brass or stainless. Maximum outer cable diameter range for the hub is 5.5mm to 13mm.

Mounting: The HLSW-AE.EX-FG-PB-16A-MB-BLK-C14-N-W1-G1 is compatible with surface mounting and pendant mounting applications. We offer a variety of stands for elevated mounting.

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.



Frequently Asked Questions (FAQ)

There are no Faqs



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Export Control Classification Number (ECCN): EAR99



Links (Click on the below items to view):

- **CE Certificate**(<https://www.larsonelectronics.com/images/product/CECert/263983.PDF>)
- **Certificate 1, Misc**(<https://www.larsonelectronics.com/images/product/Cert1/263983.PDF>)
- **IEC Ex Certificate (International Explosion Proof)**(<https://www.larsonelectronics.com/images/product/IECExCert/263983.PDF>)
- **MSDS (Material Safety Data Sheet**(<https://www.larsonelectronics.com/images/product/Msds/263983.PDF>)
- **RoHS Certificate (Restriction of Hazardous Substances)**(<https://www.larsonelectronics.com/images/product/RoHSCert/263983.PDF>)
- **HigResPic1**(<https://www.larsonelectronics.com/images/product/HigResPic1/263983.JPG>)
- **ISO 9001 Certification**(<http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF>)
- **Business Certificate**(<https://www.larsonelectronics.com/images/pdfdocs/w9.PDF>)
- **Shipping Time Map**(<https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf>)