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EPS-PB20

Explosion Proof 20 Amp Mushroom Push Button Switch - Class I and II, Division 1 and 2 - 120V AC

Product ID: 149370

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.

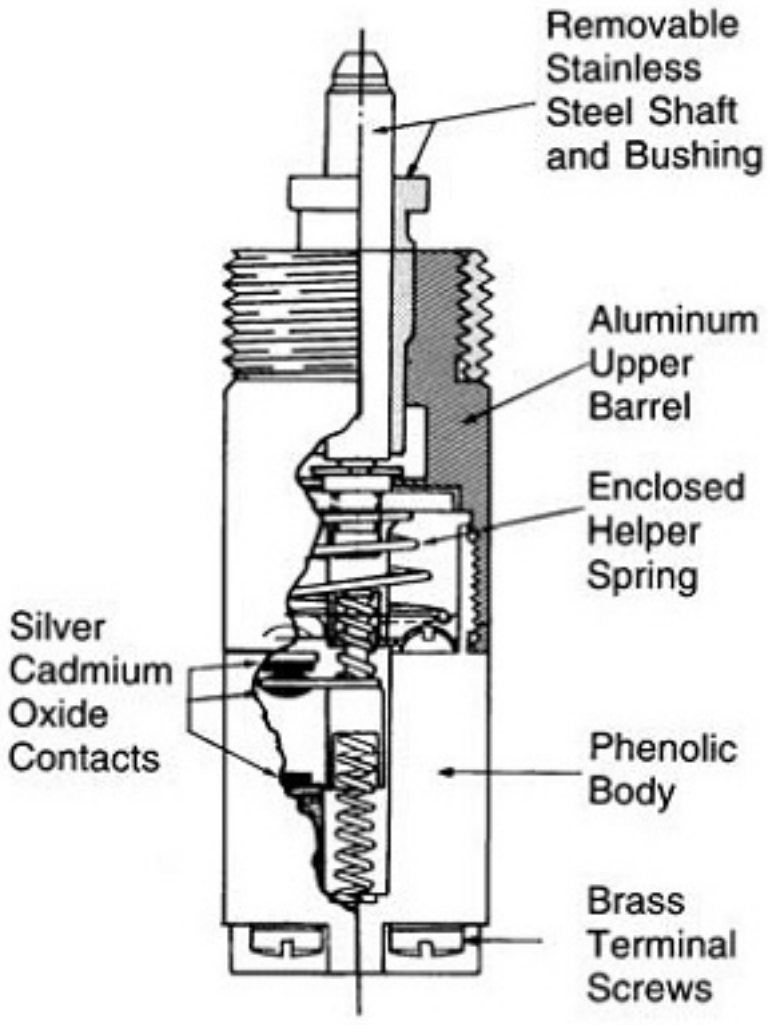
The Larson Electronics EPS-PB20 explosion proof single push button switch is designed for use in hazardous work areas, such as chemical plants, oil refineries and settings where combustible gases or dust may be present. This 20-amp device features the following explosion proof ratings: Class I Division 1 and 2; and Class II Division 1 and 2. In industrial and commercial settings, the front-operated push button switch may be used to support basic features of machines lacking electrical circuits for control. When ordering this unit, buyers may choose from 1/2" and 3/4", dead end and feed thru options.

Features: This explosion proof push button switch is rated for 20 amps at 120 VAC 60 Hz. This push button comes in a switch configuration of normally open or normally closed. The device supports operating temperatures between -20° to 40°C. It is enclosed in a separate sealing chamber, and the sealing chamber has smooth, double flanges that mate both to the cover and the mounting enclosure to provide flame tight joints.



Click Photo to Enlarge Click Photo to Enlarge Click Photo to Enlarge

On this unit, the screws consist of stainless steel captive screws and attach the sealing chamber to cover and mounting enclosure. The side rocker arm push button has lockout holes, and the switch is supplied with an internal ground screw. Its housing is constructed of copper-free aluminum, finished with aluminum acrylic paint. With the robust protruding button design, workers using thick gloves may find the device easier to activate, compared to a traditional push button switch design.



Options: This device features ½" and ¾" dead end and feed thru options. Both options come with Class 1 Division 1 and 2 (Groups C and D), Class 2 Division 1 and 2 (Groups E, F and G) and Class 3 explosion proof ratings. The components also comply with UL 894, UL 1203 and UL 698 standards, and support NEMA 3/7, CSA Standard: C22.2 No. 30 ratings.

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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EPS-PB20

Product ID: 149370

Export Control Classification Number (ECCN): EAR99

Options:

EPS-PB20-Hub Config-Termination-Contacts

Example: EPS-PB20-0.75-DE-NO

Hub Config	
3/4IN	-0.75
1/2IN	-0.5

Termination	
DEAD END	-DE
FEED THRU	-FT

Contacts	
NORMALLY OPEN	-NO
NORMALLY CLOSED	-NC

Links (Click on the below items to view):

- Dimensional Drawing 2D
- Operations Manual
- Wiring Diagram (Oneline)
- HigResPic1
- HigResPic2
- HigResPic3
- HigResPic4
- HigResPic5
- HigResPic6
- HigResPic7
- HigResPic8
- HigResPic9
- HigResPic10
- Video1
- ISO 9001 Certification
- Business Certificate
- Shipping Time Map