

EPSW-3PH-100

Three Phase Explosion Proof Switch - Non Fused - 100 Amps

Product ID: 49739

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.

EPSW-3PH-100 Three Phase Explosion Proof Switch - 100 Amps

Unit Type: Explosion Proof Non-fused Disconnect Switch

Dimensions: 8.125" x 13" x 7.8"

Max Voltage: 600VAC

Amps: 100

Phase: 3

Single Phase HP: 5 (120VAC), 15 (230VAC)

Three Phase HP: 25 (208VAC), 30 (230VAC), 50 (480VAC), 50 (600VAC)

Terminal Lug Size: 0.39"-2.75"/#8-2/0 AWG

Enclosure Material: Copper-free Aluminum

Cover Bolt Material: 316 Stainless Steel

O-ring Gasket Material: Silicone

Finish: Grey Powder Polyester, Electrostatically Applied

Drilled/Tapped Locations: Top and Bottom (Drilled), Conduit Entrances (Tapped)

Weight: 23.2 lbs.

Ratings/Approvals

Class I, Div. 1 & 2, Groups B, C, D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E, F, G

Class III

NEMA 3, 4, 4X, 7 (B, C, D) 9 (E, F, G)

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

E-mail: sales@larsonelectronics.com

The EPSW-3PH-100 Three Phase Explosion Proof Switch by Larson Electronics is a non-fused disconnect unit for motor circuits in hazardous locations. This device comes with the following explosion proof ratings:

Class I, Div. 1 & 2 (Groups B, C, D); Class I, Zones 1 & 2 (Groups IIB+ H2, IIA); Class II, Div. 1 & 2 (Groups E, F, G); and Class III. The 100-amp rated switch is compatible with voltages up to 600VAC and features a copper-free aluminum enclosure.

The EPSW-3PH-100 non-fused disconnect switch offers robust control over motor circuits in hazardous locations. This unit supports fewer bolts for seamless installation and maintenance. A gasketed flange with a silicone O-ring is located inside the bolt circle to seal out moisture and debris. For power connections, the 100-amp rated device's top and bottom body are drilled and conduit entrances are tapped. The unit features the following single HP values: 5 (120VAC); 15 (230VAC). For three-phase HP: 25 (208VAC); 30 (230VAC); 50 (480VAC); 50 (600VAC).

This explosion proof switch is equipped with a rotary handle style operating mechanism with lockout provision as standard. Removable ductile mounting lugs adjust to irregular mounting surfaces. The device is constructed of copper-free aluminum with a grey powder polyester painted finish, while the cover bolt is made out of 316 stainless steel. The EPSW-3PH-100 supports 0.39"-2.75"/#8-2/0 AWG terminal lug sizes and is suitable for indoor and outdoor hazardous locations.

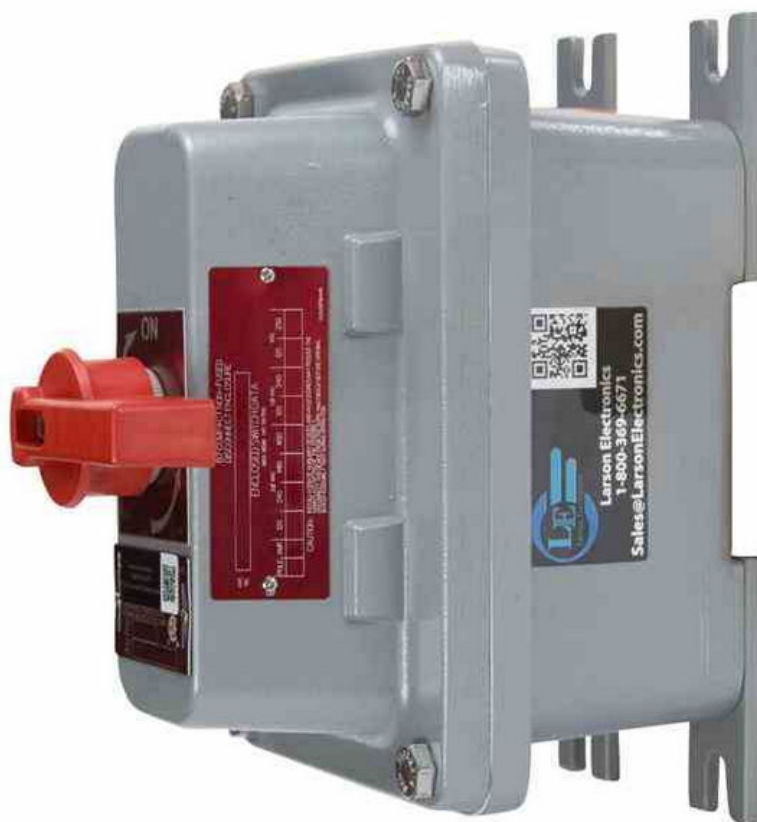
[Click Photo to Enlarge](#)

Applications: Manufacturing facilities, food processing establishments, chemical plants, oil refineries and applicable hazardous locations compatible with the device.

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)









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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [Operations Manual](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
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- [HigResPic10](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)