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EPFDS-90A-3P-3X90A.600V-TD

90A Explosion Proof Fused Disconnect - 600V Rated - Time Delay Fuse - (3) 90A Fuses (2) NPT Hubs

Product ID: 224042

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.

EPFDS-90A-3P-3X90A.600V-TD Explosion Proof Disconnect Switch/Breaker

Unit Type: Explosion Proof Fused Disconnect
Dimensions: 12" x 18" x 8"
Weight: 130 lbs
Rated Voltage: 600V AC
Configuration: 3-Pole
Amps: 90A (Maximum)
Fuses: Included
Fuse Type: Time Delay Fuse
Time Delay: 10 Seconds (Minimum) @ 500% Overload
Fuse Qty: (3) 90A 3P [600V]
Materials: Copper-free Aluminum
Hardware Materials: Stainless Steel
Finish: Aluminum Lacquer Paint Finish
Mounting: Wall/Surface Mount
Wire Size: #14-2/0
Hub Qty: 2
Hub Sizes/Locations: (1) 2" NPT @ Top, (1) 0.5" NPT @ Bottom
All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Features/Ratings

Class I, Division 1&2 Groups B,C,D
Class I, Zones 1&2 Groups IIB+ H2,IIA
Class II Division 1&2 Groups E,F,G
Class III
NEMA 3,4,4X,7(B,C,D),9(E,F,G)
CENELEC/ATEX/IEC Ex
Ex d IIB + H2 T5 or T6
Ex tD A21 IP66

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics EPFDS-90A-3P-3X90A.600V-TD Explosion Proof

Disconnect Switch is designed for use in Class I, II and III environments. Equipped with time-delay fuses, this 3-pole unit contains three 90-amp 600V fuses and two NPT hubs. The explosion proof disconnect offers delayed response to transient surges, making it ideal for addressing pulse currents and temporary overloads associated with motors, HVAC systems and HID lights in flammable work sites.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO EXPLOSION PROOF ENCLOSURES

The EPFDS-90A-3P-3X90A.600V-TD ensures active protection of electrical systems in combustible facilities. Rated at 600V AC, this fused unit contains three 90-amp 3-pole 600V time-delay fuses. The fuses feature 10-second time delay at 500% overload. These explosion proof disconnects are not sensitive to electrical pulses, allowing connected systems to utilize more power without activating the fuse.

Time-delay fuses (also known as a short-blow fuse or a slow-blow fuse) can withstand electrical surges for a specific period of time, typically 10-15 seconds. This feature is useful for equipment that relies on high voltage current during startup, such as motors.

Choosing between a time-delay fuse and a fast-acting fuse highly depends on the type of system or device requiring protection, as both protective methods are effective (one is not superior over the other).

Operators are provided access to a copper-free aluminum handle, which can be padlocked in the ON or OFF position. The ATEX-rated explosion proof disconnect is constructed of copper-free aluminum, with stainless steel hardware. For durability, the unit is finished in aluminum lacquer paint and features a NEMA-rated enclosure.

Hubs: For completing electrical connections, two NPT hubs are provided on the enclosure. One 2" NPT hub at the top; and one 0.5" NPT hub at the bottom are available during installation.

Mounting: Operators can mount the explosion proof disconnect on walls or flat surfaces.

Applications: Motors, VFDs, phase converters, HVAC systems, dryers, fluorescent lights, HID lights, metal halide, high pressure sodium, mercury vapor, petroleum refineries, chemical and petrochemical plants, storage areas, and other processing facilities where hazardous substances are handled or stored.

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)

EPFDS-90A-3P-3X90A.600V-TD

Product ID: 224042

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

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