

630A Explosion Proof Fused Disconnect Switch - C1D1/C2D1 -600V 3PH, (3) Time Delay Fuses - (3) Hubs

EPFDS-630A-3P-3X630A.600V-TD

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



EPFDS-630A-3P-3X630A.600V-TD Explosion Proof Disconnect Switch

Listing: United States, Canada

Dimensions: 23.88" W x 47.88" H x 14.25" D

Weight: 419 lbs

Voltage: 600V AC (Maximum)

Amps: 630A

Configuration: 3-Pole

Fuses: Included

Fuses Type: Time Delay Fuse

Time Delay: 10 Seconds (Minimum) @ 500% Overload

Fuse Qty: (3) 630A 3P [600V]

Materials: Copper-free Aluminum

Hardware Materials: Stainless Steel

Mounting: Surface Mount

Hub Sizes: (2) 3" NPT (Top), (1) 0.5" NPT (Bottom)

Hub Qty: 3

Hub Locations: (2) Top, (1) Bottom

Conduit: Operator Provided

All grounding shall comply with state and local codes and meet the minimum requirements of the National Electronic Code section 250

Ratings

Class I, Division 1 & 2 Groups C, D

Class I, Zones 1 & 2 Groups IIB & IIA

Class II, Division 1 & 2 Groups E, F, G

Class III

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

IP66

Special Orders- Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPFDS-630A-3P-3X630A.600V-TD Explosion Proof Fused Disconnect Switch is designed for use in Class I, II and III environments. Equipped with time-delay fuses, this 3-pole unit contains three, 630-amp 600V fuses and three, 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-630A-3P-3X630A.600V-TD is ideal for short circuit protection or may serve as a motor circuit disconnect in hazardous locations. Rated at three-phase 600V AC, this fused unit contains three, 630-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).

The explosion proof disconnect switch/breaker is constructed of cast aluminum and stainless steel cover bolts. The external on/off lever can be locked into the "on" or "off" position with room for up to three padlocks for superior security. A gasketed flange with O-ring (in the side bolt circle) is available for protection from the ingress of moisture.

Hubs: The 3-pole disconnect switch comes with two, 3" NPT hubs located at the top and one, 0.5" NPT hub at the bottom with a wire size compatibility of #2-600MCM.

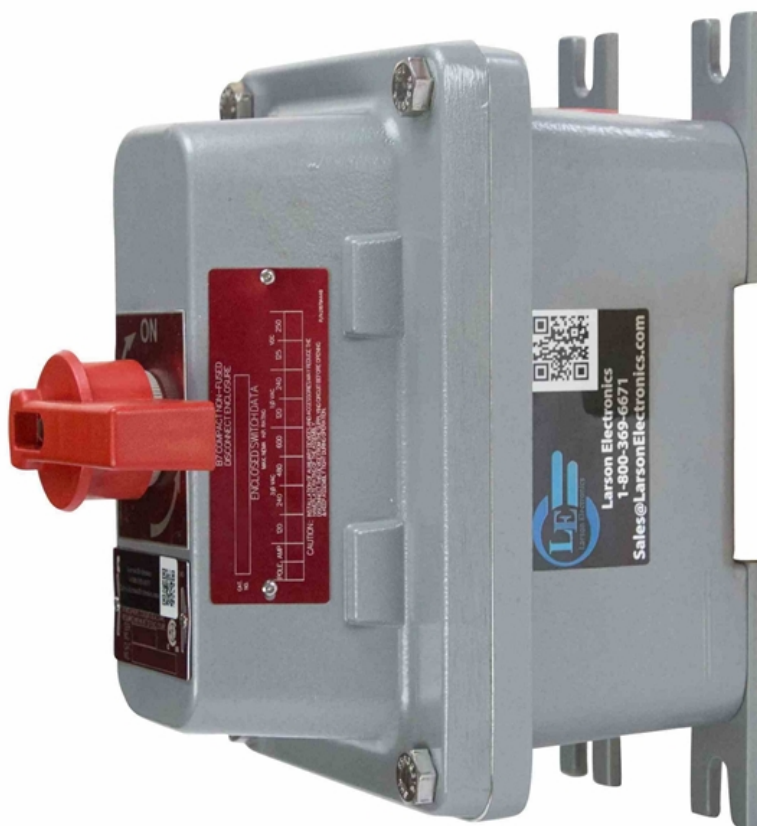
Mount: The EPFDS-630A-3P-3X630A.600V-TD is compatible with surface mounting applications.

Applications: 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.

Frequently Asked Questions (FAQ)









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