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EPO-600V-4W3P-30A-ICB-DE

Explosion Proof Power Receptacle - 30A, 600VAC - 3P4W - Mechanically Interlocked

Product ID: 339177

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



Image: EPO-600V-4W3P-30A-ICB-DE

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.

EPO-600V-4W3P-30A-ICB-DE Explosion Proof Receptacle

Listing: NRTL Listed for United States, Canada
Dimensions:5.75" W x 9.75" D x 10.5" H
Current Rating: 30 Amps
Voltage Rating: 600 VAC
Horsepower Rating: 3 HP @ 120V 3PH, 7.5 HP @ 240V 3PH, 15 HP @ 480V 3PH, 20 HP @ 600V 3PH
Configuration: 3-Pole, 4-Wire
Connection Type: Pin & Sleeve Acceptor
Grounding: Extra Ground Pole (First-Make/Last-Break)
Materials: Copper-Free Aluminum
Finish: Epoxy/Polyester Powder Coat
Mount: Wall Mount
Hub Size: (2) 1" NPT Feed-Through with Reducers
Polarization: Standard

Ratings

Class I, Divisions 1 & 2, Groups B, C, D
Class I, Zones 1 & 2, Groups IIB+H2, IIA
Class II, Divisions 1 & 2, Groups F, G
Class III

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

UL & CSA Listed
Mechanically Interlocked

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The Larson Electronics EPO-600V-4W3P-30A-ICB-DE Explosion Proof Power Receptacle is approved for Class I, Division 1 & 2, Class II, Division 1 & 2, and Class III hazardous locations and provides a safe and reliable power connection for portable and

stationary electrical equipment in hazardous environments. This 30-amp, 3-pole, 4-wire mechanically interlocked receptacle is constructed of corrosion-resistant copper-free aluminum for long-lasting performance in demanding industrial applications.

This explosion proof power receptacle is ideal for operators requiring a secure hazardous-location power connection for industrial facilities, refineries, chemical plants, offshore platforms, and other classified locations. The unit features a 3-pole, 4-wire pin and sleeve configuration with an integral mechanical interlock that prevents connection or disconnection under load, enhancing operator safety and protecting connected equipment. The heavy-duty copper-free aluminum housing is finished with a corrosion-resistant epoxy powder coat and is suitable for both indoor and outdoor installations.

The EPO-600V-4W3P-30A-ICB-DE is designed to provide a secure, moisture-resistant electrical connection while preventing the ingress of dust and water when used with a compatible explosion proof plug. The mechanically interlocked switching mechanism isolates arcing within a flame-tight chamber and ensures that the receptacle cannot be energized until the plug is fully engaged. Rated for 30 amps, this receptacle is suitable for hazardous environments where flammable gases, vapors, combustible dusts, or ignitable fibers may be present.

The EPO-600V-4W3P-30A-ICB-DE explosion proof power receptacle features a rugged, non-sparking copper-free aluminum enclosure with corrosion-resistant construction for reliable operation in harsh industrial environments. Compatible with matching explosion proof pin and sleeve plugs, this unit provides safe, dependable power connections for hazardous-location equipment while minimizing the risk of electrical arcing during operation.

Suggested Applications: Oil & Gas Facilities, Chemical Processing Plants, Refineries, Manufacturing Facilities, Industrial Plants, Offshore Platforms, Grain Processing, Wastewater Treatment Facilities, Hazardous Location Power Distribution, and Classified Industrial Environments.

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)

There are no Faqs

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Product ID: 339177

Export Control Classification Number (ECCN): EAR99

Options:

EPO-600V-4W3P-30A-ICB-DE-Termination
Example: EPO-600V-4W3P-30A-ICB-DE-FT

Termination	
FEED-THRU	-FT
DEAD END	-DE

Links (Click on the below items to view):

- **HigResPic1**(https://www.larsonelectronics.com/images/product/HigResPic1/339177.JPG)
- **Video1**(https://www.youtube.com/watch?v=IsuFe3SaFP4)
- **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)