

## Explosion Proof Power Receptacle - C1D1, C2D1 - Integral Circuit Breaker - 3W4P - 100A EPO-3W4P-100A-ICB

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



### EPO-3W4P-100A-ICB Explosion Proof Receptacle

**Breaker Voltage Rating:** 600V AC / 250V DC - 50-400 Hz

**Breaker Current Rating:** 100 Amps

**Receptacle Current Rating:** 100 Amps

**Configuration:** 4 Pole 3 Wire

**Conduit Openings:** (2) NPT Tapped 1-1/4" Top and Bottom

**Grounding:** Extra Pole and Housing

**Unit Materials:** Copper-free Aluminum, 316 SS

**Insulating Blocks:** Fiber Glass Reinforced Polyester

**Unit Dimensions:** 12.25" x 8.875" x 19.75"

**Finish:** Electrostatically-applied Polyester/epoxy

**Mate (Plug):** EPP-3W4P-100A

### 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 F&G

Class III

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

### Special Orders- Requirements

Contact us for special requirements

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**The Larson Electronics EPO-3W4P-100A-ICB explosion proof power receptacle with built in circuit breaker is approved for Class 1 Division 1 & 2 and Class 2 Division 1 & 2 and provides a safe and secure power connection for portable or stationary electrical devices and equipment in hazardous locations. This unit is designed to be used with our EPP-3W4P-100A pin/sleeve plug (mate).**

This explosion proof power receptacle with integrated circuit breaker is ideal for operators seeking a high quality explosion proof power outlet receptacle rated for use in hazardous areas designated Class 1 Div 1 & 2, Class 2 Div 1 & 2, and Class 3. This three wire, four pole unit is constructed of copper free aluminum and contains an integral circuit breaker which provides short circuit and thermal overload protection as well as manually operable protection during connection and disconnection of electrical cables. This unit is easily wall mounted via two screw slot tabs at the side of the housing and provides two, 1 1/4" NPT tapped openings located on the top and the bottom of the housing for connection to approved electrical conduit.

A neoprene bushing receptacle seal prevents the entry of water when a cable is connected and a spring loaded receptacle door prevents the entry of dust when the unit is not in use. This unit is rated to handle electrical loads up to 100 amps and is suitable for use in environments where combustible dusts and particulates may be present.

The EPO-3W4P-100A-ICB explosion proof power receptacle and housing unit is constructed of copper free construction with 316 grade stainless steel external

hardware. The internal receptacle plug contacts are deeply recessed to protect against accidental touching and are spring loaded and constructed of brass for superior connectivity. The plug receptacle uses mechanical cable clamps to prevent strain on connecting cables and meets or exceeds U.L. strain relief pull-out requirements. A neoprene bushing fitted inside the connector receptacle provides positive sealing against water ingress when power cables are connected. 1-1/2" NPT tapped conduit openings are provided on the top and bottom of the unit for easy and secure connection to main power line supplies.

**Integral circuit protection:** This unit contains an interlocked disconnect switch and circuit breaker to allow safe, 100 Amp at 600V AC max, connect and disconnect operation. This circuit breaker also gives protection against short circuits and provides added thermal time delay overload protection. The plug and receptacle contacts cannot be made or broken under load. When the plug is inserted, the plug and receptacle contacts engage before the switch closes. When the plug is withdrawn, the switch opens before the plug and receptacle contacts disengage. This provides the maximum safety of a dead front receptacle. Arcing is isolated in a flame and dust-tight chamber. No special interlock device or manual switch, operators simply pull the plug straight out.

**Suggested Applications:** Manufacturing, Industrial, Warehouse, Lighting, Motor-Generator Sets, Compressors, Wet areas or Locations Where Combustible Dust is Present.

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](mailto: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)

Links (Click on the below items to view):

- [HigResPic1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)