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EPPO-ICB-B-380V-5W3P-16A

Explosion Proof Power Plug and Receptacle – Class I, II, III – 16A, 380V 3-Phase (3P+N+PE) – Rotary Circuit Breaker Switch – IP66

Product ID: 332591



Image: EPPO-ICB-B-380V-5W3P-16A

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.

EPPO-ICB-B-380V-5W3P-16A Explosion Proof Receptacle and Plug

Receptacle Specs:
Listing: NRTL Listed for United States, Canada
Type: Female Socket (Receptacle)
Switching Mechanism: Rotary ON/OFF External Handle
Dimensions: 10 1/2" x 9 3/4" x 5 3/4"
Weight: -
Voltage Rating: 380V
Current Rating: 16 Amps
HP: 7.5 HP @ 380V 3PH
Configuration: 3-Phase, 5-Wire (3P+N+PE)
Protection: Integrated Load Break Mechanism
Aux Contact: Late-make Early-break, Rated @ 10A, 1/3 HP 125/250V AC
IP Rating: IP66
Ex Mark: Ex db eb IIB T6 Gb / Ex db IIC T6 Gb
Materials: Glass-Fibre reinforced polyester
Finish: Electrostatically Applied Polyester/Epoxy
Mount: Wall
Wiring: Regular Stranding #10 Maximum
Hub Configuration: Feed Thru or Dead End
Hub Size: 1" NPT

Plug Specs:
Listing: NRTL Listed for United States, Canada
Type: Male Plug
Construction: Explosion Proof

Ratings
Class I, Divisions 1 & 2 Group B, C, D
Class 1, Zones 1 & 2 IIB+H2, IIA
Class II, Divisions 1 & 2 Group F, G
Class III
NEMA 3, 4, 4X 7(B,C,D), 9(F,G)

Dimensions: 6 11/16" x 3"
Weight: -
Voltage Rating: 380V AC
Current Rating: 16 Amps
HP: 7.5 HP @ 380V 3PH
Configuration: 3-Phase, 5-Wire (3P+N+PE)
IP Rating: IP66
Protective Feature: Protective Covers Included
Ex Mark: Ex db eb IIB T6 Gb / Ex db IIC T6 Gb
Materials: Glass-Fibre reinforced polyester
Finish: Electrostatically Applied Polyester/Epoxy
Mount: -
Wiring: Regular Stranding #10 Maximum
Hub Configuration: -
Hub Size: 1" NPT

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics EPPO-ICB-B-380V-5W3P-16A Explosion Proof Receptacle and Plug is approved for Class I, Division 1 & 2, Class II, Division 1 & 2 and Class III hazardous locations and provides a safe and secure power connection for portable or stationary electrical devices and equipment operating on 380V AC three-phase systems. This 3-phase, 5-wire (3P+N+PE) unit is constructed of copper-free aluminum and is rated at 16 amps for demanding industrial environments.

The explosion proof power receptacle and plug is designed for use in combustible work sites, including Class I, Groups B, C and D. This 16-amp receptacle features compatibility with 380V AC three-phase power. The unit is constructed of copper-free aluminum with an electrostatically applied polyester/epoxy finish and contains an integral rotary 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 and contains a feed-thru or dead-end configuration with 1" NPT hub size.

The explosion proof plug features a rugged, impact-resistant housing with high mechanical and dielectric strength insulators that are resistant to arc tracking. The device carries an IP66 rating when properly engaged with the receptacle and secured with the locking mechanism. Arcing is isolated within a flame-tight and dust-tight chamber for maximum operator safety in hazardous environments.

Integral circuit protection: This unit contains a rotary circuit breaker to allow safe operation at 16 amps, 380V AC three-phase maximum. The circuit breaker provides protection against short circuits and thermal overload conditions. The plug and receptacle contacts cannot be made or broken under load. When the plug is inserted, the contacts engage before the switch closes. When the plug is withdrawn, the switch opens before the contacts disengage. This ensures dead-front safety and isolates arcing within a sealed chamber. No special interlock device is required; operators simply insert or remove the plug with the switch in the OFF position.

Interchangeability: The receptacle and plug are fully interchangeable with configured and certified to UL1686 devices, such as Crouse-Hinds® Arktite® or Appleton® Powertite®. Standard location receptacle bolt hole patterns match competitive back boxes so users can perform upgrades without changing back boxes in instances where changing the conduit system is difficult.

Suggested Applications: Manufacturing, Industrial, Warehouse, Lighting, Lighting, 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 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