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EPCO-20A

Explosion Proof Connector Outlet - 20 Amp Rated - Locking Cap - 125V or 250V

Product ID: 105210

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.

EPCO-20A Explosion Proof Power Outlet
Unit Dimensions: 8.25"-L X 2.88"-W X 3.69"-H
Weight: 2.23 Lbs
Receptacle Current Rating: 20 Amp
Configuration: 3 Pole 2 Wire
Voltage Rating: 125V or 250V
NEMA Config: 5-15R/5-20R or 6-20R - w/ T-Slots
Number of Poles: 3
Suitable Cable: 14 AWG to 12 AWG SOOW
Mating Plugs: ****EPP-15A, EPP-20-A****
Unit Materials: Copper Free Aluminum (4/10 of 1% max.)
Finish: Epoxy Powder Coat

Certifications - Compliance
Class I, Div 1 & 2, Groups B, C, D
Class I, Zone 1 & 2, Groups IIB+H2, IIA
Class II, Div 1 & 2, Groups F, G
Class III
NEMA 3, NEMA 4X
Listed for United States and Canada

Special Orders - Special Requirements
Contact us for special requirements
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The Larson Electronics EPCO-20A explosion proof power connector outlet provides durable and secure weatherproof power connection for portable or stationary electrical devices and equipment in locations where equipment is susceptible to wet and corrosive environments. Choose 125V 1 HP or 250V 2HP.
This 20 amp rated power receptacle is ideal for operators seeking a high quality, wet area rated power receptacle suitable for use in industrial and manufacturing applications. This unit`s power receptacle is constructed of copper free aluminum. The unit is factory sealed and any arcing is safely contained with the interior of the

outlet. The receptacle contacts are deep recessed to avoid accidental contact and will not be energized by non explosion proof plugs to preserve explosion proof protection in hazardous environments. Ordinary location plugs will NOT activate this explosion proof receptacle.
The aluminum housing is finished in an epoxy powder coat. This unit is designed to withstand wet and corrosive conditions such as those found in docks and shipyards and comes with a spring loaded receptacle door to prevent ingress of water and contaminants when the unit is not in use.

The EPCO-20A power connector is constructed of non sparking aluminum and finished with an epoxy powder coating for durability and added corrosion resistance. The internal receptacle plug contacts are constructed of brass and designed to maintain constant pressure along their entire length for superior connectivity. The plug receptacle is deeply recessed to prevent accidental contacts and designed for twist lock plug insertion to provide secure connections. A neoprene seal fitted inside the connector receptacle seals against the plug when inserted to provide positive sealing against water ingress.
A spring loaded receptacle door provides an automatic weather-tight seal when the plug is removed. This flip-style lid features a special notch, allowing operators to lock the door in the open position while plugging or unplugging devices. With no devices plugged into the connector, the lid will screw shut, providing a NEMA 4X seal. When a plug is installed in this connector, the internal seals provide a NEMA 3 seal.
This explosion proof connector is a mate for the Larson Electronics EPP-15A and EPP-20A explosion proof plugs and is compatible with all the Larson Electronics explosion proof lights we make with an explosion proof plug.
Options: This unit accepts 14 or 12 gauge SOOW or similar diameter cable.
Circuit breaking protection: This unit`s receptacle is designed to safely contain any arcs between the internal contacts that may be created within the receptacle housing.
Inter-Compatibility: These units are compatible with Crouse Hind™ plugs under catalogue number ""**ENP5151"** and Hubble-Killark Acceptor® plugs under catalogue number "**UGP-20231,UGP-20232**." Due to possible manufacturer changes we cannot guarantee interchangeability although we have made every effort to ensure cross compatibility correctness.
Suggested Applications: Areas where flammable or ignitable vapors or gases may be present or stand the potential to exist, including manufacturing, industrial, commercial, docks, shipyards, shipping ports and other similar ship to shore applications as well as any application requiring a wet area suitable and highly durable source of secure power connection.

Features

1. Specially designed receptacle contains arcs within the unit.
2. Spring loaded door seals receptacle when not in use.
3. Brass contacts provide constant pressure and superior conductivity.
4. Accepts non explosion proof plugs that are NEMA 5-20R, or 6-20R compatible.
5. Neoprene seal compressed by plug prevents water ingress into receptacle when in use.
6. Rated to handle loads up to 20 Amps.
7. Receptacle Epoxy powder coat finish for durability. Housing Triple coated for durability/corrosion resistance.
8. Compatible with Crouse Hind™ "ENP5151" and Hubble-Killark Acceptor™ "UGP-20231,UGP-20232 " plugs.
9. Corrosion resistant and suitable for use in wet locations.

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Frequently Asked Questions (FAQ)




OPEN
CLOSED

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EPCO-20A

Product ID: 105210

Export Control Classification Number (ECCN): EAR99

Options:

EPCO-20A-Voltage

Example: EPCO-20A-125V

Voltage	
125V	-125V
250V	-250V

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **HigResPic8**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**