Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.498.3364

HLP-AE.EX-16A-2P3W-220V

Flameproof Pin and Sleeve Plug, 220V, 16 Amps, 2P3W - IECEx/ATEX Rated

Product ID: 243858



Image: HLP-AE.EX-16A-2P3W-220V

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.

HLP-AE.EX-16A-2P3W-220V IECEx/ATEX Rated Plug

Listing: NRTL Listed for European, International Locations
Device Series: IEC 60309 (International Standard)
Device Type: Flameproof Plug
Dimensions: 6.93"-L x 2.99"-W x 2.99"-D
Weight: -
Amperage Rating: 16A
Voltage: 220V AC
Frequency: 50/60 Hz
Phase: Single Phase
Configuration: 2P3W
# of Poles: 2-Pole
# of Wires: 3-Wire
Max Voltage Rating: 250V AC
Clock Hour: 6H
Color Code: Blue
Cord Range: .350 - .860
# of Operations: > 5000 connects/disconnects under load, at full rated current and voltage
Minimum Withdrawal Force: 5lbs
Temperature Rise: Max +30°C at full-rated current after 50 cycles of OL at 150% rated current
Operating Temperature Range: -55°C to +65°C
Waterproof Rating: IP65, NEMA 4X
Shock Resistance: IK09
Flammability: V-2 Rated
Cable Secureness: "Force: 30lb; Torque: 0.4 ft-lb; Max Disp: <= 3/32"

Ratings/Approvals

ATEX/IECEx Rated
Approved for Zone 1 and 2
Approved for Zone 21 and 22
Ex II 2 GD Ex db eb IIC T6
Ex II 2 Gb Ex tb IIIC T80□ Db□Ta≤ +45□□
Ex II 2 GD EX db eb IIC T5
Ex II 2 Gb EX tb IIIC T95C Db□Ta≤ +55□)
NRTL Certified to IEC 60079
NRTL Certified to EN 60079
CE Certified
RoHS Certified
IP66 Weatherproof
Compatible with IEC 60309 Compliant Products
Certified for Full Load Interrupting

Mating Plug: HLP-AE.EX-16A-2P3W-220V
Mating Receptacle: HLO-AE.EX-16A-2P3W-220V
Mating Connector: HLC-AE.EX-16A-2P3W-220V

IEC 60309 Configuration: 320P6W-HL

Seals: Neoprene

Material, Housing Body: Polyamide

Material, Housing Cover: Polyamide

Material, Contacts: Brass

Material, Contact Carrier: Nylon

Material, External Screws: Acid-Proof Stainless Steel

Material, Internal Screws: Stainless Steel
Material, Phase/Ground Sleeves: Brass
Material, Sleeve Spring: Stainless Steel
Material, Terminal Screws: Stainless Steel
Shipping Dimensions: -
Shipping Weight: -

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

The Larson Electronics HLP-AE.EX-16A-2P3W-220V Single Phase Hazardous Location Plug is a ATEX and IEC Ex rated receptacle approved for use in hazardous environments where flammable or explosion gases, vapors, or dusts stand the potential to exist and where flammable dusts, fibers, or flyings exist. This 2-pole, 3-wire hazardous location plug is rated for 16-amps at 220V AC and designed to provide a secure connection for electrical equipment within the hazardous location.

This hazardous location 2-pole 3-wire plug is compatible with our HLP-AE.EX-16A-2P3W-220V hazardous location power plugs. This outlet is rated for 16 amps at 220V AC and is certified to ATEX and IEC Ex standards for hazardous locations. This plug is coded blue to indicate its voltage rating and inner clock key pin position of 6. The color coding of these units makes it impossible to connect different voltages and current ratings, to ensure safe power connection. This hazardous location plug is compatible with non-hazardous location receptacles of the same IEC 60309 configuration, allowing hazardous location equipment wired with this plug to be powered in both hazardous and non-hazardous locations.

This hazardous location plug features polyamide construction and a voltage rating of 130V AC. With NEMA Type 3, 4, 4X and IP66 ratings, this plug is suitable for outdoor, marine and wet location. This hazardous location single phase plug has a 2 wire 16-10 AWG terminal capacity. This unit has a short circuit current rating of 10kA sym RMS and operates with a T6 ambient temperature rating of -50ºC to +65ºC.

Suggested Applications: Chemical and pharmaceutical manufacturing, petrochemical operations, offshore applications, coal mining and other refinery or industrial operations.

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Certificate of Conformity

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: HLP-AE.EX, HLO-AE.EX Series
Description: Flameproof Plugs and Receptacles

Evaluated Listings:

DNV: DNV 10 ATEX 86579 **–** ATEX standards
CQM: IECEx CQM 10.0013, IECEx CQM 10.0013X, IECEx CQM 10.0014U, – IEC Ex standards

The HLP-AE.EX, HLO-AE.EX Series is certified to ATEX and IEC Ex standards for hazardous locations.

The HLP-AE.EX, HLO-AE.EX Series is comprised of a CZ0251 series device. This may include custom mounting, equipped accessories, contact blocks, or factory wiring assemblies. This assembly is built to ATEX and IEC standards for hazardous locations.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Material Safety Data Sheet

To Whom It May Concern,

Larson Electronics LLC HLO-AE.EX and HLP-AE.EX industrial line of flameproof outlets and plugs for hazardous locations are considered "ARTICLES" under 29 CFR 1910-1200, the OSHA Hazard Communication Standard, and do not require a Material Safety Data Sheet (MSDS).

Articles are specifically exempt from the regulations of this standard. OSHA defines an article as follows:

1910-1200(c) – Article means a manufactured item other than a fluid or particle:

i. Which is formed to a specific shape or design during manufacture;
ii. Which has end use function(s) dependent in whole or in part upon its shape or design during end use; and
iii. Which under normal conditions does not release more than very small quantities.

The "hazardous location" and "explosion proof" are terminology for the environment where these products will be installed. This is not to be confused with "hazardous materials;" this product does not contain any hazardous materials.

Regards,



Ray Smith
Larson Electronics, LLC.

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Certification

Manufacturer: Larson Electronics LLC
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Declare the following equipment conforms to the standard(s) as listed:

Model: HLP-AE.EX, HLO-AE.EX Series
Description: Flameproof Plugs and Receptacles

Evaluated Listings:

CE: DIRECTIVE 2014/35/EU - LOW VOLTAGE DIRECTIVE
CE: DIRECTIVE 2014/30/EU - EMC DIRECTIVE
CE: Regulation (EC) No 1907/2006 - REACH REGULATION
CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

The HLP-AE.EX, HLO-AE.EX Series complies with the essential protection requirements of the European Parliament of the Council Directive for Low Voltage Directive, EMC Directive, REACH Regulation, and RoHS Directive. This certification applies to all specimens manufactured in accordance to the manufacture's drawings.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Description: Flameproof Plugs and Receptacles

Evaluated Listings:

CE: DIRECTIVE 2015/863/EU - ROHS DIRECTIVE

This is to certify that products offered by Larson Electronics LLC comply with the Reduction of Hazardous Substances (RoHS) directives. Directive 2002/95/EC became effective on 1 July 2006. It restricts the use of six substances in the manufacture of electrical and electronic equipment. This directive was revised in June 2011 and is now referred to as directive 2011/65/EU. Directive 2015/863/EU amending Annex II to Directive 2011/65/EU announced plans to add four substances from 22 July 2019.

We hereby certify that the equipment specified above conforms to the Directive(s) by containing less of the restricted substances than the stated limits.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Evaluated Listings:

CE: Regulation (EC) No 1907/2006 - REACH REGULATION

This letter establishes the opinion of Larson Electronics LLC regarding the status, under the current European Union (“EU”) Regulations on Registration, Evaluation, Authorization, and Restriction of Chemical Substances (“REACH”).

REACH does not apply to manufactured products which are referred to as “completed articles”. Substances (chemicals) are subject to REACH registration, NOT products.

In addition, Articles are exempt from the REACH requirements if (a) the Article does not contain a substance of very high concern or candidate substance in an amount exceeding 0.1% weight by weight, and (b) if substances present in the Article in excess of 1 ton per year per importer are not expected nor intended to be released.

Based on communication with our raw material suppliers, we conclude that to the best of our knowledge our products requiring REACH compliance do not contain any of the currently listed SVHC in concentrations of 0.1% or above.

Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Frequently Asked Questions (FAQ)

There are no Faqs