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HLP-AE.EX-16A-2P2W-24VDC

Flameproof Plug, 2-Pole 2-Wire, 16 Amp, 24V DC, ATEX IEC-Ex Rated

Product ID: 272537

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.

HLP-AE.EX-16A-2P2W-24VDC 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: 24V DC
Frequency: Direct Current
Phase: N/A
Configuration: 2P2W
# of Poles: 2-Pole
# of Wires: 2-Wire
Max Voltage Rating: 50V DC
Clock Hour: 10H
Color Code: Violet
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

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 DbTa +45
Ex II 2 GD EX db eb IIC T5
Ex II 2 Gb EX tb IIIC T95C DbTa +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-2P2W-24VDC
Mating Receptacle: HLO-AE.EX-16A-2P2W-24VDC
Mating Connector: HLC-AE.EX-16A-2P2W-24VDC

IEC 60309 Configuration: 220P10W-HL

Cable Secureness: "Force: 30lb; Torque: 0.4 ft-lb; Max Disp: <= 3/32"

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

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The Larson Electronics HLP-AE.EX-16A-2P2W-24VDC Hazardous Location Plug is an 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, 2-wire hazardous location plug is rated for 16-amps at 24V DC and designed to provide a secure connection for electrical equipment within the hazardous location.

This hazardous location 2-pole 2-wire plug is compatible with our HLP-AE.EX-16A-2P2W-24VDC hazardous location power plugs. This outlet is rated for 16 amps at 24V DC and is certified to ATEX and IEC Ex standards for hazardous locations. This receptacle is coded violet to indicate its voltage rating and ground pin position of 10. 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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Frequently Asked Questions (FAQ)

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Product ID: 272537

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **ATEX Certificate (European Explosion Proof)**
- **CE Certificate**
- **Certificate 1, Misc**
- **IEC Ex Certificate (International Explosion Proof)**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**