# YA31A1, 350 kcmil, AL, 1 Hole, 1/2" Stud, AL9CU



By Burndy
Catalog # YA31A1

350 kcmil, AL, 1-Hole, 1/2" Stud, AL9CU, Pre-filled with oxide inhibitor, End Cap, Tin Plated

## Features

- UL486A-486B Listed and CSA Certified
- Aluminum terminals are dual rated to accommodate both copper and aluminum wire and are indicated with AL-CU on the connector - AL9CU is UL Listed 90°C, up to 35kV, AL7CU is UL Listed 75°C, up to 35kV
- Barrel is designed with an internal chamfer at the wire entry to ensure smooth insertion of the wire, preventing possible damage of the wire strands during insertion
- Electro-tin plated unless otherwise specified to reduce galvanic corrosion (bimetallic) and resist corrosive elements
- Connectors are clearly marked with wire size, die index, color code, and crimp location bands
- Factory pre-filled with PENETROX Type A13 oxide inhibitor
- Color coded end caps are factory inserted in the barrels to match the die color code and prevent foreign materials from entering the barrel
- Aluminum oxidation is not easily detected but causes resistance in a connection, it is imperative the proper preparation takes place prior to making an aluminum-to-aluminum connection

## Application

Wire Termination

## Specifications

| | |
|---|---|
| Certification - UL Recognized | No |
| Buy American Compliant | Contact Manufacturer |
| Certification - cULus | No |
| EU RoHS Indicator | Yes |
| Industry Standard(s) | UL 486A-486B |
| Certification - ETL | No |
| Standards - Industry Standards Met | UL 486A-486B |
| Standards - RoHS Compliance Status | CM |
| UL Listed | Yes |
| Certification - CSA Approved | Yes |

## Conductor

| | |
|---|---|
| Conductor - Material | ALUMINUM / COPPER |
| Wire Size | 350 KCMIL |
| Conductor - AL Str Size | 350 KCMIL |
| Conductor - AL Str Size Range | 350 kcmil |
| Conductor - Copper Str Size | 300 KCMIL |
| Conductor Size | 350 KCMIL |
| Conductor Type | CODE |
| Conductor - Copper Str Size Range | 350 kcmil |

## Configuration

| | |
|---|---|
| Physical Attribute - Number of Holes | 1 |
| Number of Pad Holes | 1 |
| Connector Type | DUAL RATED |

## Current

| | |
|---|---|
| Voltage Rating | 35 kV |
| Voltage - Maximum | 35000 |

## Dimensions

| | |
|---|---|
| Dimension - Pad Width inch | 1.52 in |
| Package Height | 0.000 in |
| Dimension - Hole Size fraction | 1/2 |
| Package Weight | 0.000 lb. |
| Package Length | 0.000 in |
| Package Width | 0.000 in |
| Dimension - L Length Overall mm | 110 mm |
| Dimension - Outside Diameter inch | 1.11 in |
| Dimension - Thread Size | 1/2 |
| Dimension - Hole Size mm | 14 mm |
| Dimension - Hole Size inch | 0.56 |
| Dimension - Strip Length inch | 2 1/8 |
| Dimension - Stud Size inch | 1/2 |
| Dimension - Stud Size fraction | 1/2 |
| Dimension - Bolt Hole Size inch | 0.52 in |
| Dimension - Bolt Size fraction | 1/2 |
| Physical Attribute - Tongue Angle | Straight |
| Dimension - B Length fraction | 1-7/8 in |
| Dimension - Z inch | 0.74 in |
| Dimension - B Length inch | 1.85 in |
| Dimension - D inch | 1.37 in |
| Dimension - N inch | 0.63 in |
| Dimension - Bolt Size inch | 0.5 |
| Dimension - Length Overall inch | 4.33 in |

## General

| | |
|---|---|
| Trade Name | HYLUG™ |
| Die Index | 299 |
| Feature - Barrel Type | Standard |
| Feature - Barrel Style | Chamfered |
| Plated | Y |
| Color Code | Brown |
| Physical Attribute - Tongue Type | Standard |
| Sub Brand | HYLUG |
| UPC | 781810755556 |
| Type | YA-A, Dual Rated |
| Material | Aluminum |
| Plating Type | Tin - Electro Plated |
| Finish Type | Tin-Plated |
| UPC 12 Digit | 781810755556 |
| UPC 14 Digit GTIN | 00781810755556 |

## Logistics

| | |
|---|---|
| Minimum Pack Quantity | 1 |
| Pallet Quantity | 6336 |
| Carton Quantity | 6 |

## Operational

| | |
|---|---|
| Temperature Rating | 194 |

## Product Assets

Catalog [English]
Installation Manual [English]
Installation Manual [English]



© 2026 Hubbell Incorporated. All rights reserved