



## YA32A1, Compression Terminal, 400 kcmil Al, 1-Hole, 5/8" Stud

By Burndy  
Catalog # [YA32A1](#)

AL Terminal, AL9CU, Internal Chamfer, Tin Plated, Prefilled PENETROX™ A13, End Cap, UL/CSA, 90°C, Up to 35kV, Color Code, Die Index.



\*Representative Image

### 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

### General

|                                      |                      |
|--------------------------------------|----------------------|
| Catalog Number                       | YA32A1               |
| Color Code                           | Green                |
| Connector Type                       | DUAL RATED           |
| Die Index                            | 472                  |
| EU RoHS Indicator                    | Yes                  |
| Feature - Barrel Type                | Standard             |
| Finish Type                          | Tin-Plated           |
| Material                             | ALUMINUM             |
| Physical Attribute - Number of Holes | 1                    |
| Physical Attribute - Tongue Type     | Standard             |
| Plated                               | Y                    |
| Plating Type                         | Tin - Electro Plated |
| Sub Brand                            | HYLUG                |
| Temperature Rating                   | 194                  |
| Trade Name                           | HYLUG™               |
| Type                                 | YA-A, Dual Rated     |
| UPC                                  | 781810755907         |
| UPC 12 Digit                         | 7818107559077        |

## Dimensions

|                                   |          |
|-----------------------------------|----------|
| Dimension - B Length fraction     | 2-1/4 in |
| Dimension - B Length inch         | 2.26 in  |
| Dimension - Bolt Hole Size inch   | 0.66 in  |
| Dimension - Bolt Size fraction    | 5/8      |
| Dimension - Bolt Size inch        | 0.63     |
| Dimension - D inch                | 1.88 in  |
| Dimension - Hole Size fraction    | 5/8      |
| Dimension - Hole Size inch        | 0.69     |
| Dimension - Hole Size mm          | 17.5 mm  |
| Dimension - L Length Overall mm   | 125 mm   |
| Dimension - Length Overall inch   | 4.92 in  |
| Dimension - N inch                | 0.88 in  |
| Dimension - Outside Diameter inch | 1.19 in  |
| Dimension - Pad Width inch        | 1.62 in  |
| Dimension - Strip Length inch     | 2 1/2    |
| Dimension - Stud Size fraction    | 5/8      |
| Dimension - Stud Size inch        | 5/8      |
| Dimension - Thread Size           | 5/8 in   |
| Dimension - Z (inch)              | 1.00 in  |
| Physical Attribute - Tongue Angle | Straight |

## Electrical Ratings

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

## Conductor Related

|                                   |                   |
|-----------------------------------|-------------------|
| Conductor - AL Str Size           | 400 KCMIL         |
| Conductor - AL Str Size Range     | 400 kcmil         |
| Conductor - Copper Str Size       | 400 KCMIL         |
| Conductor - Copper Str Size Range | 400 kcmil         |
| Conductor - Material              | ALUMINUM / COPPER |
| Conductor Size                    | 400 KCMIL         |
| Conductor Type                    | CODE              |
| Wire Size                         | 400 KCMIL         |

## Certifications And Compliance

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

## Logistics

|                       |   |
|-----------------------|---|
| Carton Quantity       | 2 |
| Minimum Pack Quantity | 1 |

## Product Assets

[3D Models - YA32A1\\_MODEL-PDF](#)  
[3D Models - YA32A1\\_MODEL-STEP](#)  
[3D Models - YA32A1\\_MODEL-IGES](#)  
[Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog](#)  
[Catalogs - BURNDY Master Catalog - Section C - Compression Connections](#)  
[Customer Notices - Prop 65 Notice](#)  
[Installation Manuals - Aluminum Installation Instructions](#)  
[Interactive Catalog - BURNDY Full-Line Digital Catalog](#)  
[Sales Drawings - SD073935-01](#)