



## YA34A7, 500 kcmil Aluminum, 1/2 Stud, AL9CU

By Burndy  
Catalog # [YA34A7](#)

500 kcmil AL, 1-Hole, 1/2" Stud, Prefilled with oxide inhibitor, End Cap, AL9CU

### 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           |
| 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                     | 500 KCMIL         |
| Conductor - AL Str Size       | 500 KCMIL         |
| Conductor - AL Str Size Range | 500 kcmil         |
| Conductor - Copper Str Size   | 500 KCMIL         |
| Conductor Size                | 500 KCMIL         |



|                                   |           |
|-----------------------------------|-----------|
| Conductor Type                    | CODE      |
| Conductor - Copper Str Size Range | 500 kcmil |

### Configuration

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

### Current

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

### Dimensions

|                                   |           |
|-----------------------------------|-----------|
| Dimension - Pad Width inch        | 1.80 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   | 128 mm    |
| Dimension - Outside Diameter inch | 1.32 in   |
| Dimension - Thread Size           | 1/2       |
| Dimension - Hole Size mm          | 14 mm     |
| Dimension - Hole Size inch        | 0.56      |
| 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     | 2-5/16 in |
| Dimension - Z inch                | 0.74 in   |
| Dimension - B Length inch         | 2.34 in   |
| Dimension - D inch                | 1.37 in   |
| Dimension - N inch                | 0.63 in   |
| Dimension - Bolt Size inch        | 0.5       |
| Dimension - Length Overall inch   | 5.02 in   |

### General

|                       |          |
|-----------------------|----------|
| Trade Name            | HYLUG™   |
| Die Index             | 300      |
| Feature - Barrel Type | Standard |

|                             |                      |
|-----------------------------|----------------------|
| Feature - Barrel Style      | Chamfered            |
| Plated                      | Y                    |
| Color Code                  | Pink                 |
| Physical Attribute - Tongue | Standard             |
| Type                        |                      |
| Sub Brand                   | TERMINALS, HYLUG     |
| UPC                         | 781810023525         |
| Type                        | YA-A                 |
| Material                    | ALUMINUM             |
| Plating Type                | Tin - Electro Plated |
| Finish Type                 | Tin-Plated           |
| UPC 12 Digit                | 781810023525         |
| UPC 14 Digit GTIN           | 00781810023525       |

|                 |      |
|-----------------|------|
| Logistics       |      |
| Pallet Quantity | 3900 |
| Carton Quantity | 6    |

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

|                                               |  |
|-----------------------------------------------|--|
| Product Assets                                |  |
| <a href="#">Catalog [English]</a>             |  |
| <a href="#">Installation Manual [English]</a> |  |
| <a href="#">Installation Manual [English]</a> |  |



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