



YA34A7, 500 kcmil Aluminum, 2 Hole, 1/2 Stud, 1" Spacing, AL9CU

By Burndy
Catalog # [YA34A7](#)

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

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	YA34A7
Color Code	Pink
Connector Type	DUAL RATED
Die Index	300
EU RoHS Indicator	Yes
Feature - Barrel Style	Chamfered
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	TERMINALS, HYLUG



Temperature Rating	194
Trade Name	HYLUG™
Type	YA-A
UPC	781810023525
UPC 12 Digit	7818100235255

Dimensions

Dimension - B Length fraction	2-5/16 in
Dimension - B Length inch	2.34 in
Dimension - Bolt Hole Size inch	0.52 in
Dimension - Bolt Size fraction	1/2
Dimension - Bolt Size inch	0.5
Dimension - D inch	1.37 in
Dimension - Hole Size fraction	1/2
Dimension - Hole Size inch	0.56
Dimension - Hole Size mm	14 mm
Dimension - L Length Overall mm	128 mm
Dimension - Length Overall inch	5.02 in
Dimension - N inch	0.63 in
Dimension - Outside Diameter inch	1.32 in
Dimension - Pad Width inch	1.80 in
Dimension - Stud Size fraction	1/2
Dimension - Thread Size	1/2
Dimension - Z (inch)	0.74 in
Physical Attribute - Tongue Angle	Straight

Electrical Ratings

Voltage - Maximum	35000
Voltage Rating	35 kV

Conductor Related

Conductor - AL Str Size	500 KCMIL
Conductor - AL Str Size Range	500 kcmil
Conductor - Copper Str Size	500 KCMIL
Conductor - Copper Str Size Range	500 kcmil
Conductor - Material	ALUMINUM / COPPER
Conductor Size	500 KCMIL

Conductor Type

Wire Size

CODE

500 KCMIL

Certifications And Compliance

Buy American Compliant

Certification - CSA Approved

Certification - ETL

Certification - UL Recognized

Certification - cULus

Industry Standard(s)

Standards - Industry Standards Met

Standards - RoHS Compliance Status

UL Listed

Yes

Yes

No

No

No

UL 486A-486B

UL 486A-486B

CM

Yes

Logistics

Carton Quantity

Minimum Pack Quantity

6

6

Product Assets

[Catalogs - BURNDY Master Catalog - Section C - Compression Connections](#)

[Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog](#)

[Customer Notices - Prop 65 Notice](#)

[Installation Manuals - Aluminum Installation Instructions](#)

[Interactive Catalog - BURNDY Full-Line Digital Catalog](#)

[Sales Drawings - SD073935-01](#)

[Specifications - YA34A7](#)