



YA42A1, 900 kcmil AL, 1-Hole, 1/2" Stud, AL9CU

By Burndy
Catalog # [YA42A1](#)

900 kcmil, AL, 1-Hole, 1/2" Stud, AL9CU, Prefilled 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	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	900 KCMIL
Conductor - AL Str Size	900 KCMIL
Conductor - AL Str Size Range	900 kcmil
Conductor - Copper Str Size	900 KCMIL



Conductor Size	900 KCMIL
Conductor Type	CODE
Conductor - Copper Str Size Range	600 kcmil

Configuration

Physical Attribute - Number of Crimps Required	2
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	2.14 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	135 mm
Dimension - Hole Size mm	14 mm
Dimension - Hole Size inch	0.56
Dimension - Strip Length inch	2 7/8
Dimension - Stud Size inch	1/2
Dimension - Stud Size fraction	1/2
Dimension - Bolt Size fraction	1/2
Physical Attribute - Tongue Angle	Straight
Dimension - Z inch	0.71 in
Dimension - D inch	1.36 in
Dimension - N inch	0.63 in
Dimension - Bolt Size inch	0.5
Dimension - Length Overall inch	5.32 in

General

Trade Name	HYLUG™
Die Index	303
Feature - Barrel Type	Standard

Plated	Y
Color Code	Gray
Physical Attribute - Tongue	Standard
Type	
Sub Brand	TERMINALS, HYLUG
UPC	781810637142
Type	YA-A
Material	Aluminum
Plating Type	Tin - Electro Plated
Finish Type	Tin-Plated
UPC 12 Digit	781810637142
UPC 14 Digit GTIN	00781810637142

Logistics

Minimum Pack Quantity	3
Carton Quantity	3

Operational

Temperature Rating	194
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Product Assets

- [Catalog \[English\]](#)
- [Installation Manual \[English\]](#)
- ~~[Installation Manual \[English\]](#)~~



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