



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
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
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™
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Die Index	299	UPC 14 Digit GTIN	00781810755556
Feature - Barrel Type	Standard	Logistics	
Feature - Barrel Style	Chamfered		
Plated	Y		
Color Code	Brown	Pallet Quantity	6336
Physical Attribute - Tongue	Standard	Carton Quantity	6
Type		Operational	
Sub Brand	HYLUG		
UPC	781810755556	Temperature Rating	194
Type	YA-A, Dual Rated	Product Assets	
Material	ALUMINUM		
Plating Type	Tin - Electro Plated		
Finish Type	Tin-Plated	Catalog [English]	
UPC 12 Digit	781810755556	Installation Manual [English]	
		Installation Manual [English]	



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