



YA4CA1, Compression Terminal, 4 AWG Al, 1-Hole, 1/4" Stud

By Burndy
Catalog # [YA4CA1](#)

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	YA4CA1
Color Code	Green
Connector Type	DUAL RATED
Die Index	375
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	HYLUG



Temperature Rating	194
Trade Name	HYLUG™
Type	YA-A, Dual Rated
UPC	781810751855
UPC 12 Digit	7818107518555

Dimensions

Dimension - B Length fraction	7/8 in
Dimension - B Length inch	0.88 in
Dimension - Bolt Hole Size inch	0.27 in
Dimension - Bolt Size fraction	1/4
Dimension - Bolt Size inch	0.25
Dimension - D inch	0.75 in
Dimension - Hole Size fraction	1/4
Dimension - Hole Size inch	0.27
Dimension - Hole Size mm	6.9 mm
Dimension - L Length Overall mm	54 mm
Dimension - Length Overall inch	2.13 in
Dimension - N inch	0.33 in
Dimension - Outside Diameter inch	0.43 in
Dimension - Pad Width inch	0.47 in
Dimension - Strip Length inch	7/8
Dimension - Stud Size fraction	1/4
Dimension - Stud Size inch	1/4
Dimension - Thread Size	1/4 in
Dimension - Z (inch)	0.42 in
Physical Attribute - Tongue Angle	Straight

Electrical Ratings

Voltage - Maximum	35000
Voltage Rating	35 kV

Conductor Related

Conductor - AL Str Size	4 AWG
Conductor - AL Str Size Range	4 AWG
Conductor - Copper Str Size	4 AWG
Conductor - Copper Str Size Range	4 AWG

Conductor - Material	ALUMINUM / COPPER	UL Listed	Yes
Conductor Size	4 AWG	Logistics	
Conductor Type	CODE		
Wire Size	4 AWG		
Certifications And Compliance		Carton Quantity	10
		Minimum Pack Quantity	1
Buy American Compliant		Product Assets	
Contact Manufacturer			
Certification - CSA Approved	Yes		
Certification - ETL	No	3D Models - YA4CA1_MODEL-PDF	
Certification - UL Recognized	No	3D Models - YA4CA1_MODEL-IGES	
Certification - cULus	No	3D Models - YA4CA1_MODEL-STEP	
Certified Listed	TAA Compliant (All status valid till December 2024)	Catalogs - BURNDY Master Catalog - Section C - Compression Connections	
Industry Standard(s)	UL 486A-486B	Catalogs - BURNDY Master Catalog - Full Line BURNDY Catalog	
Standards - Industry Standards Met	UL 486A-486B	Installation Manuals - Aluminum Installation Instructions	
Standards - RoHS Compliance Status	CM	Interactive Catalog - BURNDY Full-Line Digital Catalog	
		Sales Drawings - SD073935-01	
		Specifications - YA4CA1	