



YA28A1, 4/0 AWG, AL, 1 Hole, 3/8" Stud, AL9CU

By Burndy
Catalog # [YA28A1](#)

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



*Representative Image

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	YA28A1
Color Code	White
Connector Type	DUAL RATED
Die Index	298
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
UPC	781810754788
UPC 12 Digit	7818107547888

Dimensions

Dimension - B Length fraction	1-3/8 in
Dimension - B Length inch	1.39 in
Dimension - Bolt Hole Size inch	0.39 in
Dimension - Bolt Size fraction	3/8
Dimension - Bolt Size inch	0.38
Dimension - D inch	1.18 in
Dimension - Hole Size fraction	3/8
Dimension - Hole Size inch	0.41
Dimension - Hole Size mm	10.4 mm
Dimension - L Length Overall mm	83 mm
Dimension - Length Overall inch	3.26 in
Dimension - N inch	0.44 in
Dimension - Outside Diameter inch	0.85 in
Dimension - Pad Width inch	1.17 in
Dimension - Strip Length inch	1-5/8
Dimension - Stud Size fraction	3/8
Dimension - Stud Size inch	3/8
Dimension - Thread Size	3/8
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	4/0 AWG
Conductor - AL Str Size Range	4/0 AWG
Conductor - Copper Str Size	4/0 AWG
Conductor - Copper Str Size Range	4/0 AWG
Conductor - Material	ALUMINUM / COPPER
Conductor Size	4/0 AWG
Conductor Type	CODE
Wire Size	4/0 AWG

Certifications And Compliance

Buy American Compliant	Yes
Certification - CSA Approved	Yes
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No
Industry Standard(s)	UL 486A-486B
Standards - Industry Standards Met	UL 486A-486B
Standards - RoHS Compliance Status	CM
UL Listed	Yes

Logistics

Carton Quantity	5
Minimum Pack Quantity	1

Product Assets

[3D Models - YA28A1_MODEL-IGES](#)

[3D Models - YA28A1_MODEL-PDF](#)

[3D Models - YA28A1_MODEL-STEP](#)

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

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

[Customer Notices - Prop 65 Notice](#)

[Installation Manuals - Aluminum Installation Instructions](#)

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

[Sales Drawings - SD073935-01](#)



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