



YA39A5DT, Compression Terminal, 750 kcmil AL, 2-Hole, 1/2" Stud, 1- 3/4" Spacing, 90 Degree, Soldered Seam

By Burndy

Catalog # [YA39A5DT](#)

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	YA39A5DT
Color Code	Yellow
Connector Type	DUAL RATED
Die Index	936
Feature - Barrel Style	Chamfered
Feature - Barrel Type	Long
Finish Type	Tin-Plated
Material	ALUMINUM
Physical Attribute - Number of Holes	2
Physical Attribute - Tongue Type	Standard
Plated	Y



Plating Type	Tin - Electro Plated
Temperature Rating	194
Trade Name	HYLUG™
UPC	781810268407
UPC 12 Digit	7818102684077

Dimensions

Dimension - B Length fraction	2-7/16 in
Dimension - B Length inch	2.46 in
Dimension - Bolt Hole Size inch	0.52 in
Dimension - Bolt Size fraction	1/2
Dimension - Bolt Size inch	0.5
Dimension - D inch	3.15 in
Dimension - Hole Size fraction	1/2
Dimension - Hole Size inch	0.56
Dimension - Hole Size mm	14 mm
Dimension - L Length Overall mm	180 mm
Dimension - Length Overall inch	7.07 in
Dimension - N inch	0.63 in
Dimension - Outside Diameter inch	1.46 in
Dimension - Pad Width inch	1.62 in
Dimension - Stud Size fraction	1/2
Dimension - Thread Size	1/2
Dimension - Z (inch)	0.77 in
Physical Attribute - Tongue Angle	Straight

Electrical Ratings

Voltage - Maximum	35000
Voltage Rating	35 kV

Conductor Related

Conductor - AL Str Size	700 KCMIL-750 KCMIL
Conductor - AL Str Size Range	700 kcmil - 750 kcmil
Conductor - Copper Str Size	700 KCMIL;750 KCMIL

Conductor - Copper Str Size Range	700 kcmil - 750 kcmil
Conductor - Material	ALUMINUM / COPPER
Conductor Size	700 KCMIL;750 KCMIL
Conductor Type	CODE
Wire Size	700 KCMIL;750 KCMIL

Certifications And Compliance

Certification - CSA Approved	No
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	3
Minimum Pack Quantity	3

Product Assets

- 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 - YA39A5DT](#)

