



## YA25A7DT, Compression Terminal, 1/0 AWG AL, 2-Hole, 1/2" Stud, 1- 3/4" Spacing, Soldered Seam

By Burndy

Catalog # [YA25A7DT](#)

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	YA25A7DT
Color Code	Tan
Connector Type	DUAL RATED
Die Index	296
Feature - Barrel Style	Chamfered
Feature - Barrel Type	Standard
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	781810268261
UPC 12 Digit	7818102682611

### Dimensions

Dimension - B Length fraction	1-1/16 in
Dimension - B Length inch	1.05 in
Dimension - Bolt Hole Size inch	0.52 in
Dimension - Bolt Size fraction	1/2
Dimension - Bolt Size inch	0.5
Dimension - D inch	3.10 in
Dimension - Hole Size fraction	1/2
Dimension - Hole Size inch	0.56
Dimension - Hole Size mm	14 mm
Dimension - L Length Overall mm	117 mm
Dimension - Length Overall inch	4.59 in
Dimension - N inch	0.63 in
Dimension - Outside Diameter inch	0.60 in
Dimension - Pad Width inch	1.03 in
Dimension - Strip Length inch	1-1/16
Dimension - Stud Size fraction	1/2
Dimension - Thread Size	1/2
Dimension - Z (inch)	0.72 in
Physical Attribute - Tongue Angle	Straight

### Electrical Ratings

Voltage - Maximum	35000
Voltage Rating	35 kV

### Conductor Related

Conductor - AL Str Size	1/0 AWG
Conductor - AL Str Size Range	1/0 AWG
Conductor - Copper Str Size	1/0 AWG
Conductor - Copper Str Size Range	1/0 AWG
Conductor - Material	ALUMINUM / COPPER
Conductor Size	1/0 AWG

Conductor Type                      CODE  
Wire Size                            1/0 AWG

UL Listed                            Yes

**Certifications And Compliance**

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

**Logistics**

Carton Quantity                   10  
Minimum Pack Quantity           10

**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 - YA25A7DT](#)

