YA27A1, Compression Terminal, AL, 1-Hole

By Burndy
Catalog # YA27A1

Aluminum Compression Terminal, 3/0 AWG, 1-Hole, 3/8" Stud, Filled with Oxide Inhibitor, End Cap, AL9CU

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
Buy American Compliant	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	3/0 AWG
Conductor - AL Str Size	3/0 AWG
Conductor - AL Str Size Range	3/0 AWG
Conductor - Copper Str Size	3/0 AWG
Conductor Size	3/0 AWG
Conductor Type	CODE
Conductor - Copper Str Size Range	3/0 AWG

Configuration

Physical Attribute - Number of Holes	1
Number of Pad Holes	1
Connector Type	DUAL RATED

Current

Voltage Rating	35 kV
Voltage - Maximum	35000

Dimensions

Dimension - Pad Width inch	0.73 in
Package Height	0.000 in
Dimension - Hole Size fraction	3/8
Package Weight	0.000 lb.
Package Length	0.000 in
Package Width	0.000 in
Dimension - L Length Overall mm	73 mm
Dimension - Outside Diameter inch	0.76 in
Dimension - Thread Size	3/8
Dimension - Hole Size mm	10.4 mm
Dimension - Hole Size inch	0.41
Dimension - Strip Length inch	1-1/2
Dimension - Stud Size inch	3/8
Dimension - Stud Size fraction	3/8
Dimension - Bolt Hole Size inch	0.39 in
Dimension - Bolt Size fraction	3/8
Physical Attribute - Tongue Angle	Straight
Dimension - B Length fraction	1-1/8 in
Dimension - Z inch	0.74 in
Dimension - B Length inch	1.11 in
Dimension - D inch	1.18 in
Dimension - N inch	0.44 in
Dimension - Bolt Size inch	0.38
Dimension - Length Overall inch	2.88 in

General

Trade Name	HYLUG™
Die Index	467
Feature - Barrel Type	Standard
Feature - Barrel Style	Chamfered
Plated	Y
Color Code	Ruby
Physical Attribute - Tongue Type	Standard
Sub Brand	HYLUG
UPC	781810753750
Type	YA-A, Dual Rated
Material	Aluminum
Plating Type	Tin - Electro Plated
Finish Type	Tin-Plated

UPC 12 Digit	781810753750
UPC 14 Digit GTIN	00781810753750

Logistics

Minimum Pack Quantity	1
Carton Quantity	30

Operational

Temperature Rating	194

Product Assets

Catalog [English]
Installation Manual [English]
installation Manual [English]

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