AYPO500, 500 kcmil, AL Compression Pin Adapter

By Burndy
Catalog # AYPO500

Aluminum Compression Pin Adapter, 500 kcmil, 0.68″ Plug Dia, 1.60″ Plug Length, Al/Cu Rated.

Features

- All-aluminum electro-tin plated design eliminates possible bi-metallic corrosion
- Provides the shortest connector length design possible permitting easy installation in equipment with limited working space
- Solid electro-tin plated aluminum plug
- Proper electrical connection made easily and eliminates the "how tight is tight" issue
- Solid plug has equivalent cross-sectional area as current carrying equivalent copper wire permitting use of larger aluminum wire to connect equipment
- Offset plug design available in sizes 2/0 through 750 kcmil providing flexibility and maximizing the use of limited space while eliminating interference between conductors and equipment
- Electro-tin plating resists corrosion
- Factory pre-filled with PENETROX oxide inhibiting compound with conductive metallic particles to penetrate aluminum oxide between strands and forms an air-tight connection
- EPDM rubber covers supplied with each connector and rated for 600V eliminating taping
- Only 5 die sets are required to install the complete line from #6 to 750 kcmil reducing inventory requirements
- Supplied in plastic convenience pack so cover and connector are kept together and free of foreign material until opened
- Connectors are clearly marked with catalog number, wire size, along with a color-coded die index providing clear, easy to use information

Application

Wire Termination

General

Color Code	Pink
Connector Type	OFFSET PIN
Die Index	300
EU RoHS Indicator	Yes
Finish Type	Plaqué étain
Insulation	Y
Insulation Type	Rubber
Material	ALUMINIUM
Physical Attribute - Number of Crimps Required	4

Dimensions

Dimension - A Outside Diameter inch	1.31 in
Dimension - B Length fraction	1-1/16 in
Dimension - B Length inch	1.07 in
Dimension - B Outside Diameter inch	0.68 in
Dimension - L Length Overall mm	87 mm
Dimension - Length Overall inch	3.43 in
Dimension - P inch	1.60 in
Dimension - Strip Length inch	1-1/8 in
Equivalent Pin Size	350 kcmil

Electrical Ratings

Voltage - Maximum	35000 V
Voltage Rating	35 kV

Conductor Related

Conductor - AL Str Size	500 KCMIL
Conductor - AL Str Size Range	500 kcmil
Conductor - Copper DLO Size	373 KCMIL
Conductor - Copper DLO Size Range	373 kcmil
Conductor - Copper Flex I Size	500 KCMIL
Conductor - Copper Flex I Size Range	500 kcmil
Conductor - Copper Str Compact Size	500 KCMIL
Conductor - Copper Str Size	500 KCMIL
Conductor - Copper Str Size Range	500 kcmil
Conductor - Material	ALUMINUM / COPPER
Conductor Size	500 KCMIL
Conductor Type	CODE/FLEX
Wire Size	500 KCMIL

Certifications and Compliance

Certification - CSA Approved	Yes
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No
Industry Standard(s)	UL 486A-486B

Crimps Required

Pin Type	Solid	Standards - Industry Standards Met	UL 486A-486B
Plated	Y	Standards - RoHS Compliance Status	CM
Plating Type	Tin	UL Listed	Yes
Sub Brand	HYPLUG		
Temperature Rating	194		
Terminal Type	Pin		
Trade Name	HYPLUG™		
Type	Aluminum Pin Adapters		
UPC	781810738481		
UPC 12 Digit	7818107384811		

Logistics

Carton Quantity	10
Minimum Pack Quantity	1
Pallet Quantity	2960

Product Assets

3D Models - AYPO500_MODEL-PDF
3D Models - AYPO500_MODEL-STEP
3D Models - AYPO500_MODEL-IGES
Customer Notices - Prop 65 Notice
Sales Drawings - 50103891