YAES10K12

by Burndy
Catalog ID: YAES10K12

Prop 65 Notice

Radiation Resistant High Temp. Ring Terminal, Pure Elect Cu, Smooth Funnel Entry, W/InspWindow, 10-12 AWG, 600 V, #10 Stud, Polyvinylidene Insul, Brazed Seam.

Features: The Type YAES-K, Radiation Resistant KYNAR Insulated Terminals Are Designed And Have Been Tested To Meet The Requirements For Class 1E Critical Circuits As Set By The Nuclear Regulatory Commission (NRC), Additional Testing For Compatibility Under Loss Of Coolant Accident (LOCA) Conditions With Cross-Link Polyethylene (XLP) And HYPALON Insulations Was Completed Successfully, Compatibility With Ethylene Propylene Rubber (EPR) Insulation Was Determined By Analysis, Each Terminal Is Manufactured Of Pure Electrolytic Copper Per QQ-C 576 And Bright Tin-Plated Per MIL-T-10727 And Meets Or Exceeds SAE-AS7928 Using Stranded Copper AWG Wire, The KYNAR Insulation Offers 200 Megarad Radiation Resistance, The Type YAES-K Radiation Resistant KYNAR - Insulated Terminals Are Suitable For Class 1E Critical Circuits And Non-Critical Nuclear Associated Applications, KYNAR Insulation: Provides 200 Megarad Radiation ResistancePlus Successfully Tested For Insulation Compatibility, An Integral One-Piece Copper Barrel/Insulation Grip And Wire Strain Relief Design: Provides Improved Physical Strength Characteristics Over A Multi-Piece Design, The KYNAR Insulation Is Locked In Place: The Insulation Will Not Move Or Twist Off, Thereby Maintains Proper Dielectric Values, Manufactured From Pure Electrolytic Copper: Provides Maximum Conductivity, Low Resistance And Ductility For Excellent Crimp Forming Properties, Bright Tin-Plated Per Mil-T-10727: Provides Durable Long-Lasting Resistance To Corrosion, Deep Inner Barrel Serrations: Provides Excellent Electrical Conductivity And Tensile Strength Values, Brazed Seam: Provides A Stronger Barrel Design To Minimize Any Possible Splitting And Eliminates Folding, Smooth Funnel Entry: Easy Wire Insertion, Color Coded Terminals: Provides Easy Wire Size Identification And Inspection, Coded Raised Dots In The Die Area Of The Connection After Compression: Provides Visual Identification That The Correct Tool And Die Were Used For Proper Installation, Inspection Hole: Permits Visual Check For Proper Wire Insertion,

Product Details

General

Application	For Class 1E Critical Circuits And Non-Critical Nuclear Associated Applications
Color Code	Yellow
Connector Type	Terminal
Insulation	Y
Insulation Type	Kynar
Material	Copper
Physical Attribute - Number of Holes	1
Physical Attribute - Tongue Type	Ring
Plated	Y
Plating Type	Tin
Sub Brand	INSULUG
Trade Name	INSULUG™
Type	Radiation Resistant KYNAR Ring Tongue

UPC	781810810569
UPC 12 Digit	7818108105699

Dimensions

Dimension - Hole Size fraction	1/5
Dimension - Hole Size inch	0.20 in
Dimension - L Length Overall mm	28 mm
Dimension - Length Overall inch	1.12 in
Dimension - Pad Width inch	0.38 in
Dimension - Strip Length inch	3/8 in
Dimension - Stud Size inch	#10
Dimension - Z inch	0.26 in

Electrical Ratings

Voltage - Maximum	600 V

Conductor Related

Conductor - Copper Solid Size	12 AWG;11 AWG;10 AWG
Conductor - Copper Solid Size Range	12 AWG-10 AWG
Conductor - Copper Str Size	12 AWG;10 AWG
Conductor - Copper Str Size Range	12 AWG-10 AWG
Conductor Type	• CU C Str-Size • CU C Solid-Size

Certifications and Compliance

Certification - CSA Approved	No
Certification - ETL	No
Certification - UL Recognized	No
Certification - cULus	No
Industry Standard(s)	IEEE 323
Standards - Industry Standards Met	IEEE 323
Standards - RoHS Compliance Status	CM
UL Listed	No

Logistics

Minimum Pack Quantity	1000

For further technical assistance, please contact us

BURNDY Headquarters
47 East Industrial Park Drive
Manchester, New Hampshire 03109

Customer Service Hours:
8 AM - 8 PM Eastern Monday-Friday
Emergency Service 24-hours/365 Days
Phone: 1-800-346-4175
1-603-647-5299 (International)