Type 0ADAC / 0ADAP
Fast-Acting Fuse Series

0ADAC/0ADAP Series, 6x32mm Ceramic Tube Fast-Acting Fuse — RoHS Compliant

Description

A 600VAC/VDC rated ceramic tube in a compact, 6.3 x 32mm package designed for circuit protection in high energy and high voltage applications.

Features

- Fast-acting, high breaking capacity up to 600Vac/dc
- Available in cartridge and pigtail axial lead
- Designed to UL 248-1
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free
- Lead Free

Applications

- Digital Measuring Instruments
- Industrial Power Supplies
- DC/DC modules
- Power Inverters
- UPS
- Smart Meters
- 3 phase



LEAD FREE =
HALOGEN FREE =

Physical Specifications

Materials	Body : Ceramic
	Cap: Silver Plated Caps
	Pigtail Leads: Tin Plated Copper
Marking	On Fuse :
	"bel"
	"0ADA""Current Rating", "Voltage Rating", "Appropriate Safety Logos"
	On Label :
	"bel", "0ADAC"or"0ADAP","Current Rating","Voltage Rating","Interrupting Rating", "Appropriate Safety Logos" and " ", " "(China RoHS compliant).

Electrical Characteristics

Testing Current	Opening Time
100%	4 hour Min.
250%	120 sec Max.

Safety Agency Approvals

Safety Agency	Safety Agency Certificate	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
	E20624	200mA – 12A 600V AC/DC	200mA – 12A / 600V@ 10KA AC / 600V@ 10KA DC
*I.R.= Interrupting Rating = Short Circuit Rating(Amps)			

Environmental Specifications

Operating Temperature	-50℃ to +105℃
Terminal Strength	MIL-STD-202G, Method 211 Test Condition A
Lead Solderability	MIL-STD-202, Method 208
Mechanical Vibration	MIL-STD-202, Method 201
Thermal Shock	MIL-STD-202, Method 107 Test Condition B (5 cycles -65℃ to +125℃)
Humidity	MIL-STD-202, Method 103, Test Condition A (95%RH and 40℃for 240 hours)

Electrical Specifications

Part Number	Ampere Rating	Typical Cold Resistance (mOhms)	Voltage and Interrupting Ratings	Typical Voltage Drop (mV)	Typical Pre –Arcing I^2t (A^2 Sec)
0ADAx0200-xx	200mA	3900	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	850	0.003
0ADAx0250-xx	250mA	2755		828	0.009
0ADAx0315-xx	315mA	1900		568	0.030
0ADAx0400-xx	400mA	1875		890	0.038
0ADAx0500-xx	500mA	1160		616	0.041
0ADAx0600-xx	600mA	1035		765	0.072
0ADAx1000-xx	1A	450		553	0.23
0ADAx1600-xx	1.6A	160		307	0.89
0ADAx2000-xx	2A	155		381	1.28
0ADAx2500-xx	2.5A	89		275	3.91
0ADAx3000-xx	3A	64		218	7.74
0ADAx3150-xx	3.15A	60		230	9.92
0ADAx4000-xx	4A	44		223	15.50
0ADAx5000-xx	5A	33		221	26.50
0ADAx6000-xx	6A	26		214	41.76
0ADAx8000-xx	8A	18		203	76.80
0ADAx9100-xx	10A	16.8		242	101.40
0ADAx9120-xx	12A	12.8		233	187.20

Consult manufacturer for other ratings

*DC Cold Resistance are measured at <10% of rated current in ambient temperature of 25℃

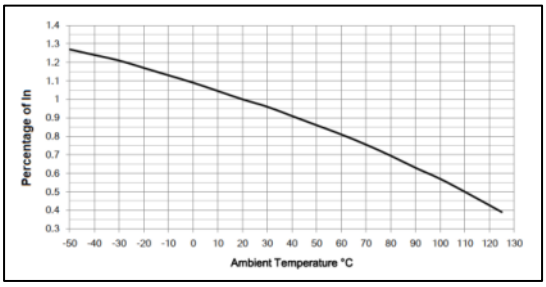
*Typical Pre-arcing I^2t are measured at 10In Current

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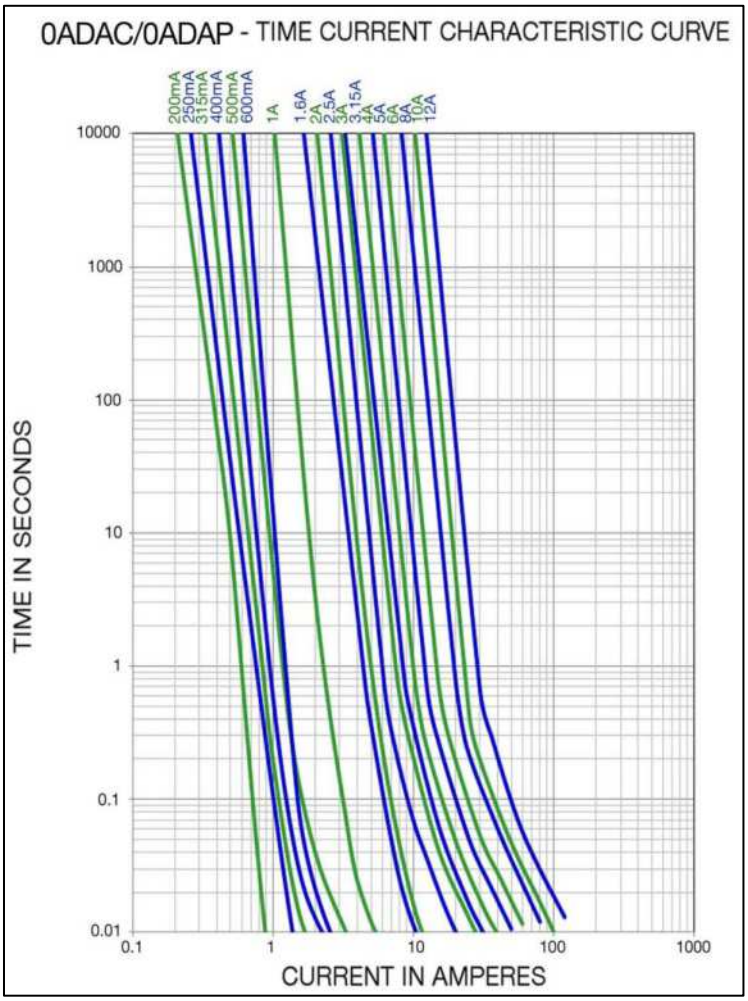
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Temperature Re-Rating Curve



Average Time Current Curve



Soldering parameters for Pigtail Type

Wave Soldering Compatible: (260℃,10 sec max)
Hand-Solder:
Solder Iron Temperature: (350℃+/-5℃)
Heating Time: (5 sec max)

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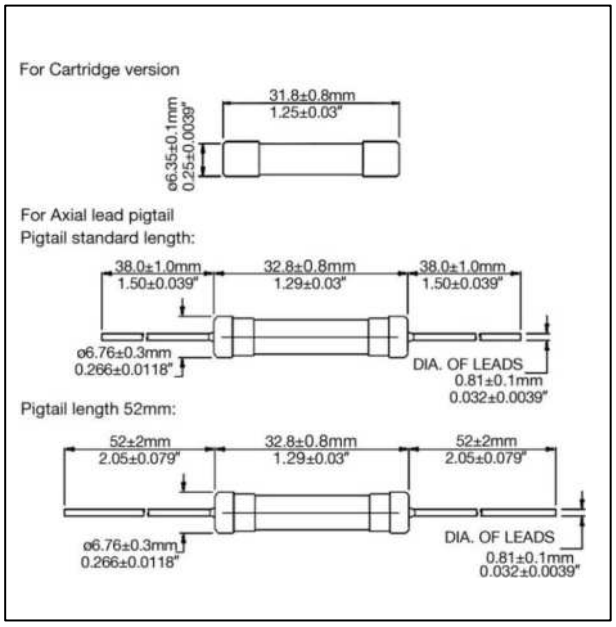
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Fuse FGNO Explanation
0ADA X [XXXX] -XX
0ADAC/P=0ADAC/P; [XXXX]=Ampere Rating; XX=See Ordering Information as below

Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
1/5	0.200	200	0200
1/4	.250	250	0250
	.315	315	0315
4/10	.400	400	0400
1/2	.500	500	0500
6/10	.600	600	0600

Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
	1.6	1.6	1600
	2.0	2	2000
2-1/2	2.5	2.5	2500
	3.0	3	3000
	3.15	3.15	3150
	4.0	4	4000
	5.0	5	5000
	6.0	6	6000
	8.0	8	8000
		10	9100
		12	9120

Mechanical Dimensions



Ordering Information

0ADA X XXXX – X X

FUSE TYPE
0ADA

MOUNTING TAB STYLE
C = For Cartridge version
P = For Axial lead pigtail

AMPERE RATING
Refer to fuse FGNO explanation table

PACKAGING CODE
A = Bulk (Pigtail length 52mm)
B = Bulk (Cartridge version)
R = Bulk (Pigtail length 38mm)
T = Tape & Reel (Pigtail length 15mm with Inside Tape Spacing 62mm)

QUANTITY CODE
D = 500 / reel
E = 1k / box
G = 2k / box

Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code	Inside Tape Spacing
Bulk (Cartridge version)	N/A	1000	BE	N/A
Bulk(Pigtail Type, Pigtail standard length)	N/A	1000	RE	N/A
Bulk(Pigtail Type, Pigtail length 52mm)	N/A	2000	AG	N/A
Tape & Reel (Pigtail Type)	EIA-296-F	500	TD	10mm Pitch and 62mm

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