

# Type 0AMA

## 3x8.4mm Fast-acting Fuses for hazardous applications

0AMA Series

RoHS Compliant

### Description

250V AC/DC rated ceramic tube fuse

### Features

- designed for barrier circuits in intrinsic safety applications relating to Hazardous Locations
- Meets electrical performance specifications for intrinsically safe(EN60079-11) applications
- Fast-acting, high interrupting rating of 4000A at 250Vac/dc
- Available in both axial lead and surface mount
- Full compliance with EU Directive 2011/65/EU and amending directive 2015/863
- Halogen Free

### Applications

- Hazardous Locations and Environments
- Intrinsically safe network barriers
- Electrical connections and components
- Test equipment
- Petrochemical processing and refining equipment
- Pulp and paper processing equipment

HALOGEN FREE =



### Physical Specifications

Materials	Body : Ceramic Terminals : Silver plated brass
Marking	On Fuse : "Color coding for Current Rating", On Label : "bel", "0AMA", "Current Rating", "Voltage Rating", "Interrupting Rating", "Appropriate Safety Logos" and "  ", "  " (China RoHS compliant).

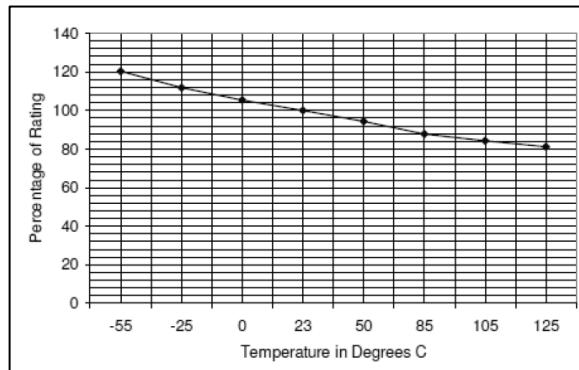
### Ratings

Safety Agency	Safety Agency Certificate	Ampere Rating / Voltage Rating	Ampere Range / Volt @ I.R. ability*
	E491441	40mA-250mA/250V DC 250V AC	40mA-250mA/250V @ 4kA DC 250V @ 4KA AC

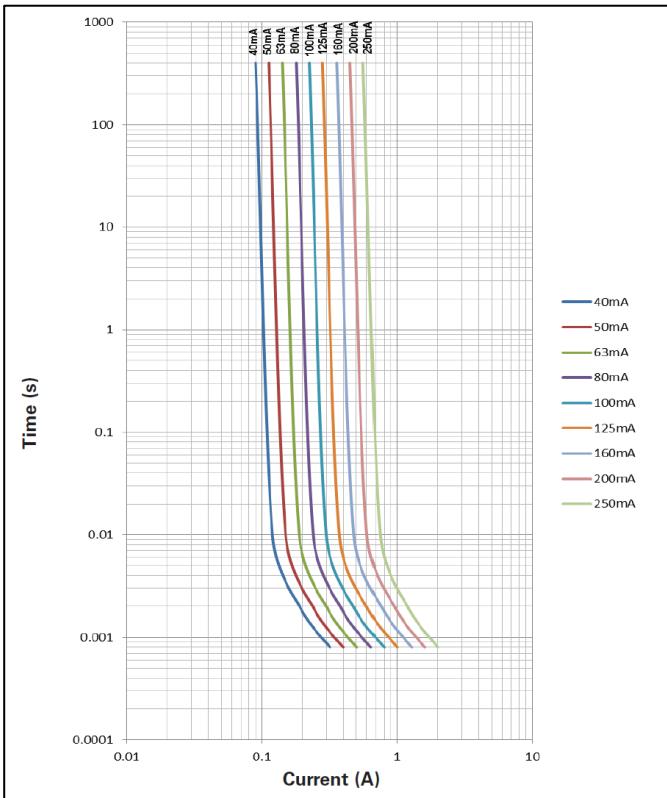
\*I.R.= Interrupting Rating = Short Circuit Rating(Amps)

## Temperature Rerating Curve

Operating Temperature: -55°C to +125°C,  
with proper rerating factor applied



## Average Time Current Curve

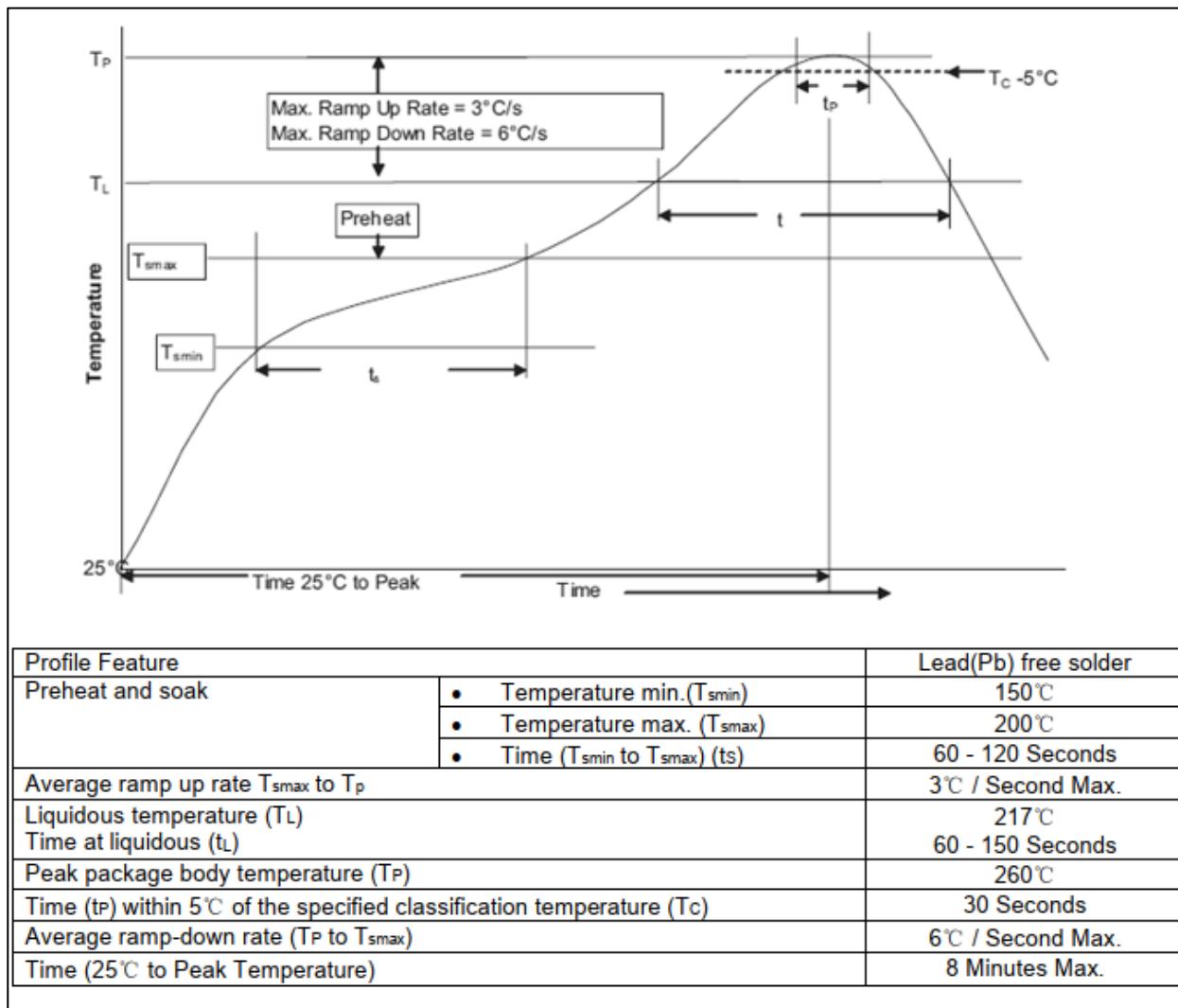


## Electrical Specifications

Part Number	Rated Current	Voltage and Interrupting Ratings	Typical Cold. Resistance (Ω)	$I^2t$ * (A <sup>2</sup> sec)	color coding	Agency Approvals
				Pre-arcng		
0AMA-0040-TD	40mA	See Table of Ratings on Page 1 for Voltage and associated Interrupting Ratings	14.2	0.00006	Grey	Y
0AMA-0050-TD	50mA		9.40	0.00010	Red	Y
0AMA-0063-TD	63mA		8.80	0.00012	Pink	Y
0AMA-0080-TD	80mA		5.10	0.00018	Green	Y
0AMA-0100-TD	100mA		2.87	0.00087	Yellow	Y
0AMA-0125-TD	125mA		2.20	0.00134	Orange	Y
0AMA-0160-TD	160mA		2.05	0.00166	Violet	Y
0AMA-0200-TD	200mA		1.01	0.00237	Brown	Y
0AMA-0250-TD	250mA		0.71	0.00530	Black	Y

Consult manufacturer for other ratings  
\*  $I^2t$  is measured with 10In.

## Soldering Parameters



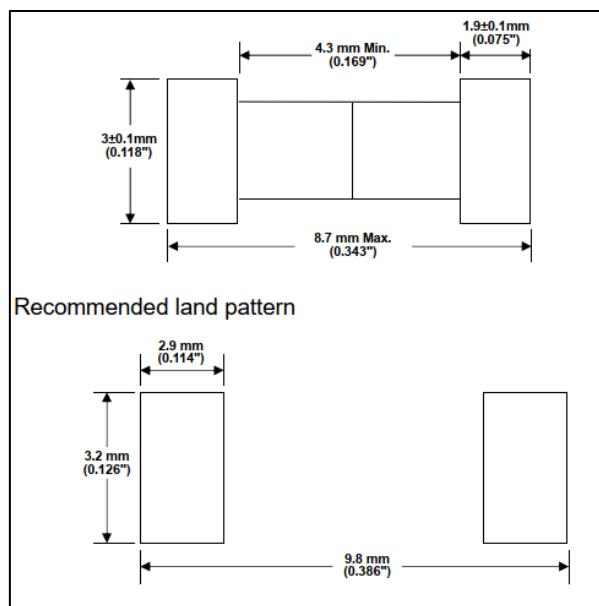
## Fuse FGNO Explanation

0AMA - [XXXX] - TD

0AMA=0AMA; [XXXX]=Ampere Rating; TD=See Ordering Information as below

Amps	Bel FGNO[XXXX]
40mA	0040
50mA	0050
63mA	0063
80mA	0080
100mA	0100
125mA	0125
160mA	0160
200mA	0200
250mA	0250

## Mechanical Dimensions



## Ordering Information

FUSE TYPE	0AMA	0AMA - XXXX - XX
AMPERE RATING	Refer to fuse FGNO explanation table	
MOUNTING TAB CODE	T = Tape & Reel	
QUANTITY CODE	D = 500pcs/reel	

## Packaging

Packaging Option	Quantity	Packaging Code
Tape (width 24mm) and reel (dia. 13inch)	500	TD