Type 3AG/3AP

Fast Blow Fuse Series

HF Pb 3AG/3AP Series, 6x32mm Glass Tube Fast Blow Fuse — RoHS 6 Compliant

Description

6x32mm Fast Blow, glass tube body cartridge fuse designed, approved and complied with UL and CSA standard 248-14.

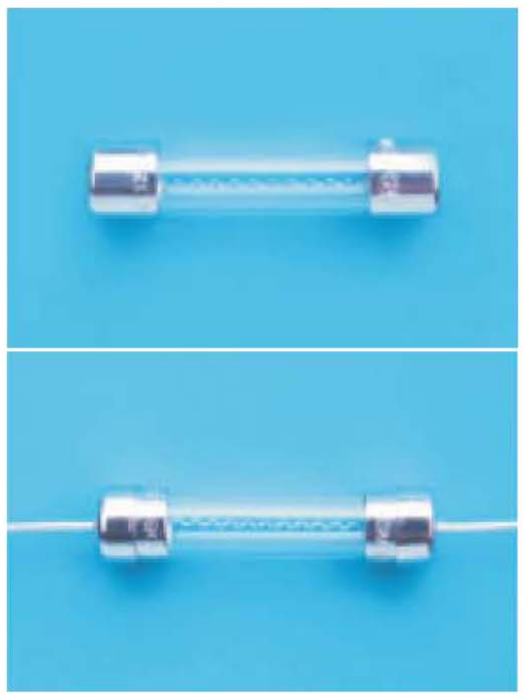
Features

- Meet UL and CSA standard 248-14
- Wide operating temperature range
- Bulk and Tape & Reel packing available
- RoHS 6 compliant
- Halogen Free
- Leadfree

Applications

Provide individual protection for components or internal circuits.
- Power supplies
- Battery charger
- Monitor
- Adapter

LEAD FREE = Pb
HALOGEN FREE = HF



Physical Specifications

Materials	Body : Glass
	Cap : Nickel Plated Brass Caps
	Leads : Matte Tin Plated Copper
Marking	On Fuse :
	"bel", "3AG", "Current Rating", "Voltage Rating",
	"Appropriate Safety Logos"," ✔ "(RoHS 6 compliant)
	On Label :
	"bel","3AG"or"3AP","Current Rating","Voltage Rating","Interrupting Rating", " Appropriate Safety Logos" and " ", " e "(China RoHS compliant).

Electrical Characteristics (UL / CSA STD.248-14)

Testing Current	Blow Time	
	Minimum	Maximum
100%	4 hrs.	N/A
135%	N/A	1 Hr
200%	N/A	5 sec

Safety Agency Approvals

SAFETY AGENCY	SAFETY AGENCY CERTIFICATE NUMBER	VOLTAGE RATING (V)	AMPERE RANGE / VOLT @ I.R. ABILITY*
c UL us	E20624	100mA-10A / 250V AC 12A-15A / 125V AC	100mA-10A / 250V AC@ 200A 100mA-15A / 125V AC@ 10,000A
CSA	LR39772		
PS E	JET1037-31003-1010 JET1037-31003-1011		1A-5A / 125V AC @ 500A
	JET1037-31003-1007		>5A-15A / 125V AC@ 300A
* I.R. = INTERRUPTING RATING = SHORT CIRCUIT RATING (AMPS)			

Specifications subject to change without notice

bel POWER SOLUTIONS & PROTECTION
a bel group

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Environmental Specifications

Shock Resistance	MIL-STD-202G, Method 213B, Test Condition 1 (100 G's peak for 6 milliseconds; Sawtooth waveform)
Vibration Resistance	MIL-STD-202G, Method 201A(10-55 Hz, 0.06 inch, total excursion).
Salt Spray Resistance	MIL-STD-202G, Method 101E, Test Condition B(48 hrs).
Insulation Resistance	MIL-STD-202G, Method 302, Test Condition A (After Opening) 10, 000 ohms minimum.
Solderability	MIL-STD-202G, Method 208H
Resistance to solder Heat	MIL-STD-202G, Method 210F, Test Condition B.(260+/-5 °C,10+/-1 sec)
Thermal Shock	MIL-STD-202G, Method 107G, Test Condition B (-65 °C to +125 °C).
Operating Temperature	-55 °C to +125 °C
Terminal Strength	IEC-68-2-21

Electrical Specifications

Catalog Number	Ampere Rating	Typical Cold Resistance (ohm)	Volt-drop @100% In (Volt) max.	Voltage and Interrupting Ratings	Melting I^2T <10 mSec (A^2 Sec)	Melting I^2T @10 In (A^2 Sec)	Maximum Power Dissipation (W)	Agency Approvals		
								c UL us	SP	PS E
3AG (3AP) 100-R	100mA	11.3	4.62		0.002	0.002	0.59	Y	Y	
3AG (3AP) 125-R	125mA	10.5	5.18		0.004	0.003	0.80	Y	Y	
3AG (3AP) 160-R	160mA	7.3	4.85		0.008	0.006	0.94	Y	Y	
3AG (3AP) 200-R	200mA	5.0	4.38		0.014	0.010	1.10	Y	Y	
3AG (3AP) 250-R	250mA	3.4	4.05		0.025	0.019	1.29	Y	Y	
3AG (3AP) 300-R	300mA	2.5	3.54		0.044	0.034	1.51	Y	Y	
3AG (3AP) 375-R	375mA	1.86	3.35		0.071	0.055	1.64	Y	Y	
3AG (3AP) 400-R	400mA	1.32	3.22		0.08	0.08	1.71	Y	Y	

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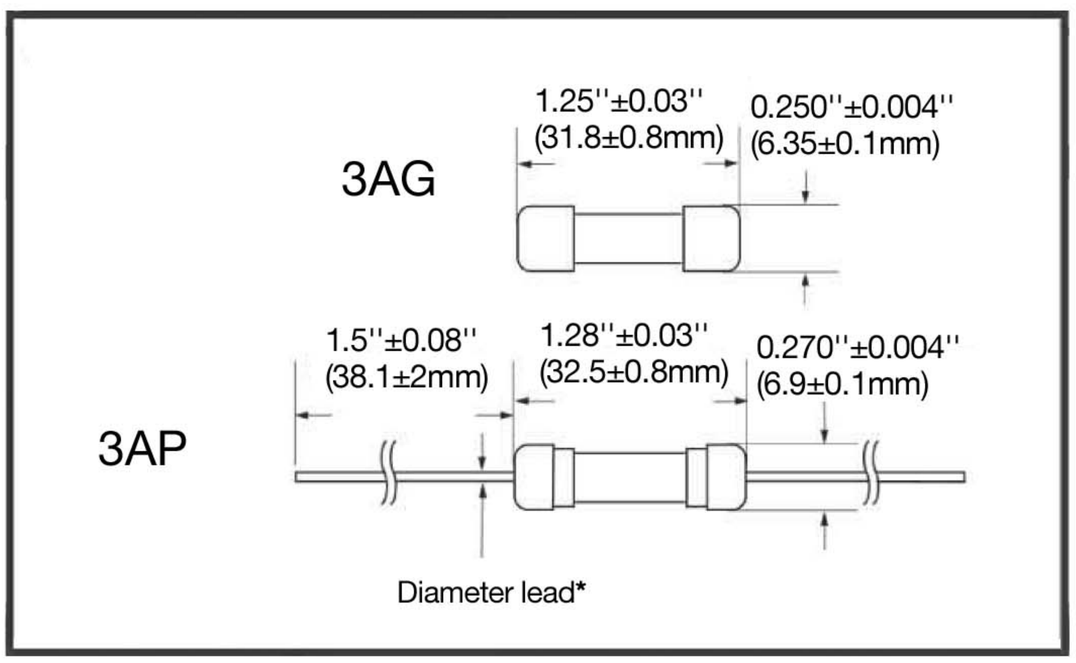
Fuse FGNO Explanation
06XX X [XXXX] X XX, [XXXX]=Ampere Rating

Fraction	Decimal	Milliamps	Bel FGNO[XXXX]
1/32	0.032	32	0032
1/25	.040	40	0040
1/20	.050	50	0050
1/16	.063	63	0063
8/100	.080	80	0080
1/10	.100	100	0100
1/8	.125	125	0125
15/100	.150	150	0150
	.160	160	0160
2/10	.200	200	0200
1/4	.250	250	0250
3/10	.300	300	0300
	.315	315	0315
3/8	.375	375	0375
4/10	.400	400	0400
1/2	.500	500	0500
6/10	.600	600	0600
	.630	630	0630
7/10	.700	700	0700
3/4	.750	750	0750
8/10	.800	800	0800

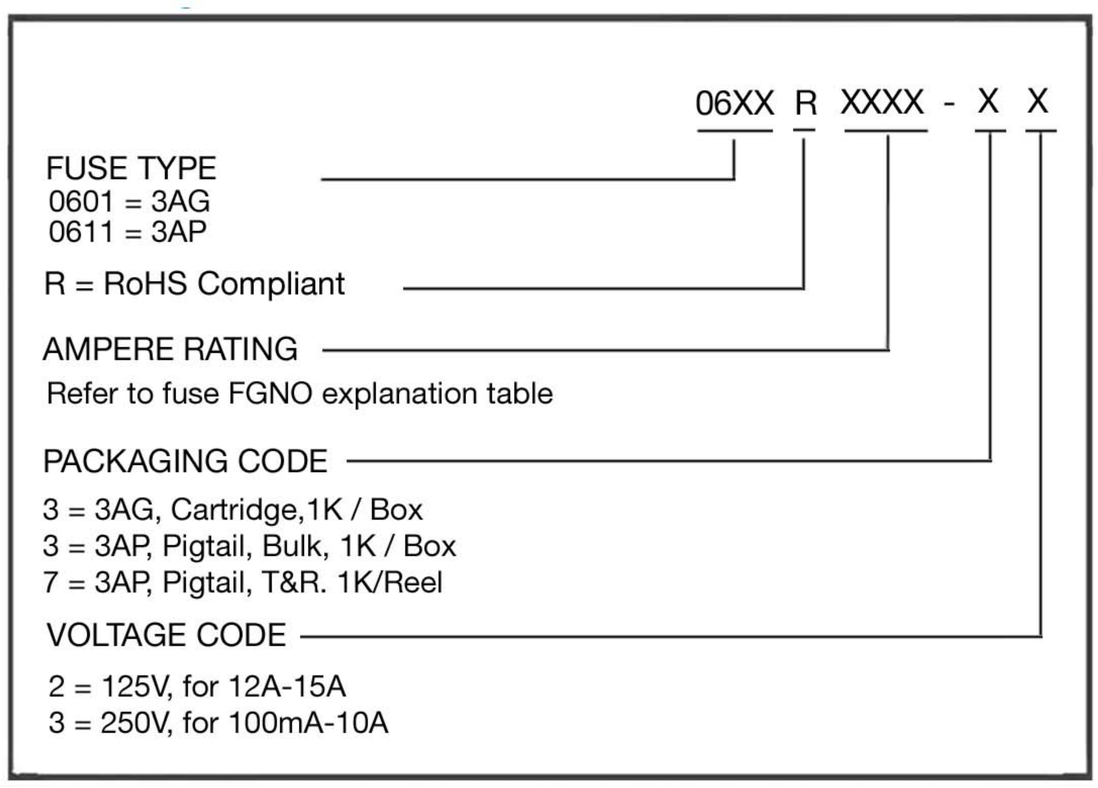
Fraction	Decimal	Amps	Bel FGNO[XXXX]
	1.0	1	1000
1-1/4	1.25	1.25	1250
1-1/2	1.50	1.5	1500
	1.60	1.6	1600
	2.0	2	2000
2-1/4	2.25	2.25	2250
2-1/2	2.5	2.5	2500
	3.0	3	3000
	3.15	3.15	3150
3-1/2	3.5	3.5	3500
	4.0	4	4000
	5.0	5	5000
	6.0	6	6000
	6.3	6.3	6300
	7.0	7	7000
7-1/2	7.5	7.5	7500
	8.0	8	8000
		10	9100
		12	9120
		15	9150
		20	9200
		25	9250
		30	9300

Mechanical Dimensions



*Ratings 7A and less have 0.032'' diameter lead;
Ratings 8A and above have 0.040'' diameter lead.

Ordering Information



Packaging

Packaging Option	Packaging Specification	Quantity	Packaging Code	Inside Tape Spacing
Bulk	N/A	1000	33 / 32	N/A
Bulk (Pigtail Type)	N/A	1000	33 / 32	N/A
Tape & Reel, 10mm Pitch	EIA-296-F	1000	73 / 72	73

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