Cooper Bussmann

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GDB-3.15A

Fast Acting, 5 X 20 mm, Glass Tube Fuse

Product Information	
Product Type:	Fuse
Product Family:	Electronic
Brand:	Cooper Bussmann

Recommended Products	
Rec. Fuse Block:	HTC-15M
Rec. Inline Fuse Holder:	HHT
Rec. Panel-mount Fuse Holder:	HTB
Rec. Fuse Clips:	1A3399

Physical Properties	
Dimensions:	0.79in.(L) × 0.19in.(W) × 0in.(H)

Electrical Properties	
Maximum AC Voltage:	250
Amperage Rating:	3.15
AC Interrupting Ratings:	• 35
Melting I²T:	13
Fast Acting:	Yes
Resistance:	0.026
Voltage Drop:	130

COOPER Bussmann

5mm x 20mm Fuses

GDB Series, Fast Acting, Glass Tube

Description

- Fast acting, low breaking capacity
- 5mm x 20mm physical size
- Glass tube, nickel-plated brass endcap construction
- Optional axial leads are .032" x 1.5" copper tinned
- Designed to IEC 60127-2 (32mA-6.3A)

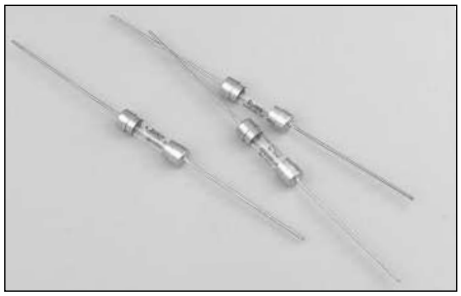
ELECTRICAL CHARACTERISTICS							
	1.5 In	2.1 In	2.75 In		4 In		10 In
In	min	max	min	max	min	max	max
32mA-100mA	60 min	30 min	10 ms	500 ms	3 ms	100 ms	20 ms
125mA-6.3A	60 min	30 min	50 ms	2 sec	10 ms	300 ms	20 ms

Ordering

- Specify product code, option code and packaging code

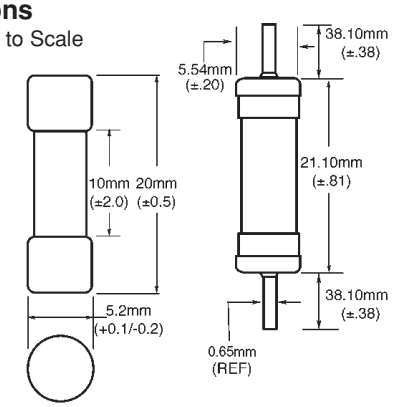
Agency Information

- UL Recognized Card: (32mA-6.3A) Guide JDYX2, File E19180
- CSA Component Acceptance: File 53787
- Semko Approval 32mA-400mA and 800mA-6.3A
- VDE Approval 32mA-6.3A
- BSI Approval 160mA-6.3A
- IMQ Approval 160mA-6.3A



Dimensions

Drawing Not to Scale



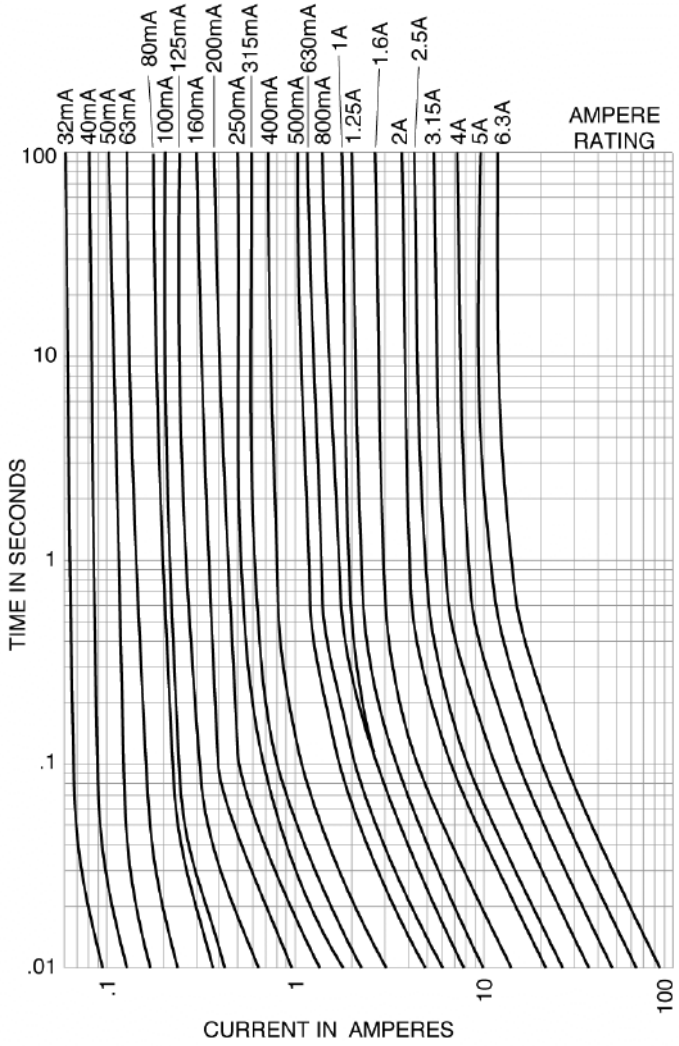
- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

SPECIFICATIONS					
Product Code	Voltage Rating AC	Interrupting Rating at Rated Voltage (50Hz) AC	Typical DC Cold Resistance (ohms)*	Typical Melting I^2t (A^2Sec) AC†	Maximum Voltage Drop (mV)‡
GDB-32mA	250V	35A	41.5	0.000047	3200
GDB-40mA	250V	35A	25.5	0.00011	2500
GDB-50mA	250V	35A	17.5	0.00020	2400
GDB-63mA	250V	35A	12.9	0.00057	2000
GDB-80mA	250V	35A	5.2	0.0012	1200
GDB-100mA	250V	35A	3.9	0.003	1100
GDB-125mA	250V	35A	2.9	0.005	1000
GDB-160mA	250V	35A	9.2	0.008	2000
GDB-200mA	250V	35A	7.0	0.016	1700
GDB-250mA	250V	35A	4.5	0.28	1400
GDB-315mA	250V	35A	3.2	0.58	1300
GDB-400mA	250V	35A	1.9	0.18	1100
GDB-500mA	250V	35A	0.27	0.18	220
GDB-630mA	250V	35A	0.21	0.35	220
GDB-800mA	250V	35A	0.15	0.67	190
GDB-1A	250V	35A	0.13	0.60	200
GDB-1.25A	250V	35A	0.098	0.84	200
GDB-1.6A	250V	35A	0.068	1.6	190
GDB-2A	250V	35A	0.044	4.2	150
GDB-2.5A	250V	35A	0.035	6.1	150
GDB-3.15A	250V	35A	0.026	13	130
GDB-4A	250V	35A	0.022	22	130
GDB-5A	250V	35A	0.015	42	120
GDB-6.3A	250V	35A	0.010	69	120
GDB-8A	250V	35A	N/A	N/A	N/A
GDB-10A	250V	35A	N/A	N/A	N/A

* DC Cold Resistance (Measured at <10% of rated current)
† Typical Melting I^2t (I^2t was measured at listed interrupting rating and rated voltage)
‡ Maximum Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)

TIME CURRENT CURVE

Time-Current Characteristic Curves–Average Melt



OPTION CODE	
Option Code	**Description**
V	Axial leads - copper tinned wire with nickel plated brass overcaps

PACKAGING CODE	
Packaging Code	**Description**
BK	100 pieces of fuses packed into a cardboard carton
BK1	1,000 pieces of fuses packed into a poly bag
TR2	1,500 pieces of fuses packed into tape on a reel (19.05mm lead wire length)