

5 x 20mm Fuses

GDB Series, Fast-Acting, Glass Tube

Description

- Fast-acting, low breaking capacity
- 5 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-10A)

Electrical Characteristics							
I_n	1.5 I_n min	2.1 I_n max	2.75 I_n min	max	4 I_n min	max	10 I_n 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
8A-10A	30 min	30 min	50 ms	2 sec	10 ms	400 ms	40 ms

Agency Information

- UL Recognized Card: Guide JDYX2, File E19180
- VDE Approval: File 40014109

Ordering

Specify product code

- Insert packaging code prefix before part number. E.g. BK/GDB-250mA
- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

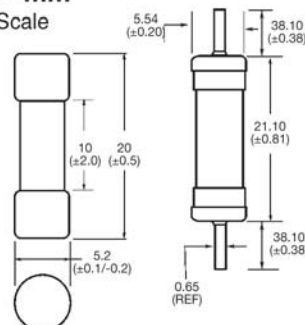
Specify product code

- For axial leads, insert "V" between catalog series and amp rating. E.g. BK/GDB-V-250mA



Dimensions - mm

Drawing Not to Scale



Specifications

Part Number	Voltage Rating Vac	Interrupting Rating (amps) at Rated Voltage (50Hz) Vac	Typical DC Cold Resistance (Ω)*	Typical Melting I^2t AC†	Maximum Voltage Drop (mV)‡	Agency Approval	
						UR	VDE
GDB-32mA	250	35	40	0.000047	3200		
GDB-40mA	250	35	25	0.00011	2500		
GDB-50mA	250	35	17	0.00020	2400		
GDB-63mA	250	35	12.5	0.00057	2000		
GDB-80mA	250	35	5.0	0.0012	1200		
GDB-100mA	250	35	3.8	0.003	1100		
GDB-125mA	250	35	2.8	0.005	1000		
GDB-160mA	250	35	9.1	0.008	2000	X	X
GDB-200mA	250	35	6.8	0.016	1700	X	X
GDB-250mA	250	35	4.3	0.28	1400	X	X
GDB-315mA	250	35	3.1	0.58	1300	X	X
GDB-400mA	250	35	2.0	0.18	1100	X	X
GDB-500mA	250	35	0.26	0.18	220	X	X
GDB-630mA	250	35	0.20	0.35	220	X	X
GDB-800mA	250	35	0.14	0.67	190	X	X
GDB-1A	250	35	0.125	0.60	200	X	X
GDB-1.25A	250	35	0.096	0.84	200	X	X
GDB-1.6A	250	35	0.066	1.6	190	X	X
GDB-2A	250	35	0.043	4.2	150	X	X
GDB-2.5A	250	35	0.034	6.1	150	X	X
GDB-3.15A	250	35	0.025	13	130	X	X
GDB-4A	250	40	0.021	22	130	X	X
GDB-5A	250	50	0.014	42	120	X	X
GDB-6.3A	250	63	0.010	69	120	X	X
GDB-8A	250	80	0.010	N/A	120	X	X
GDB-10A	250	100	0.008	N/A	120	X	X

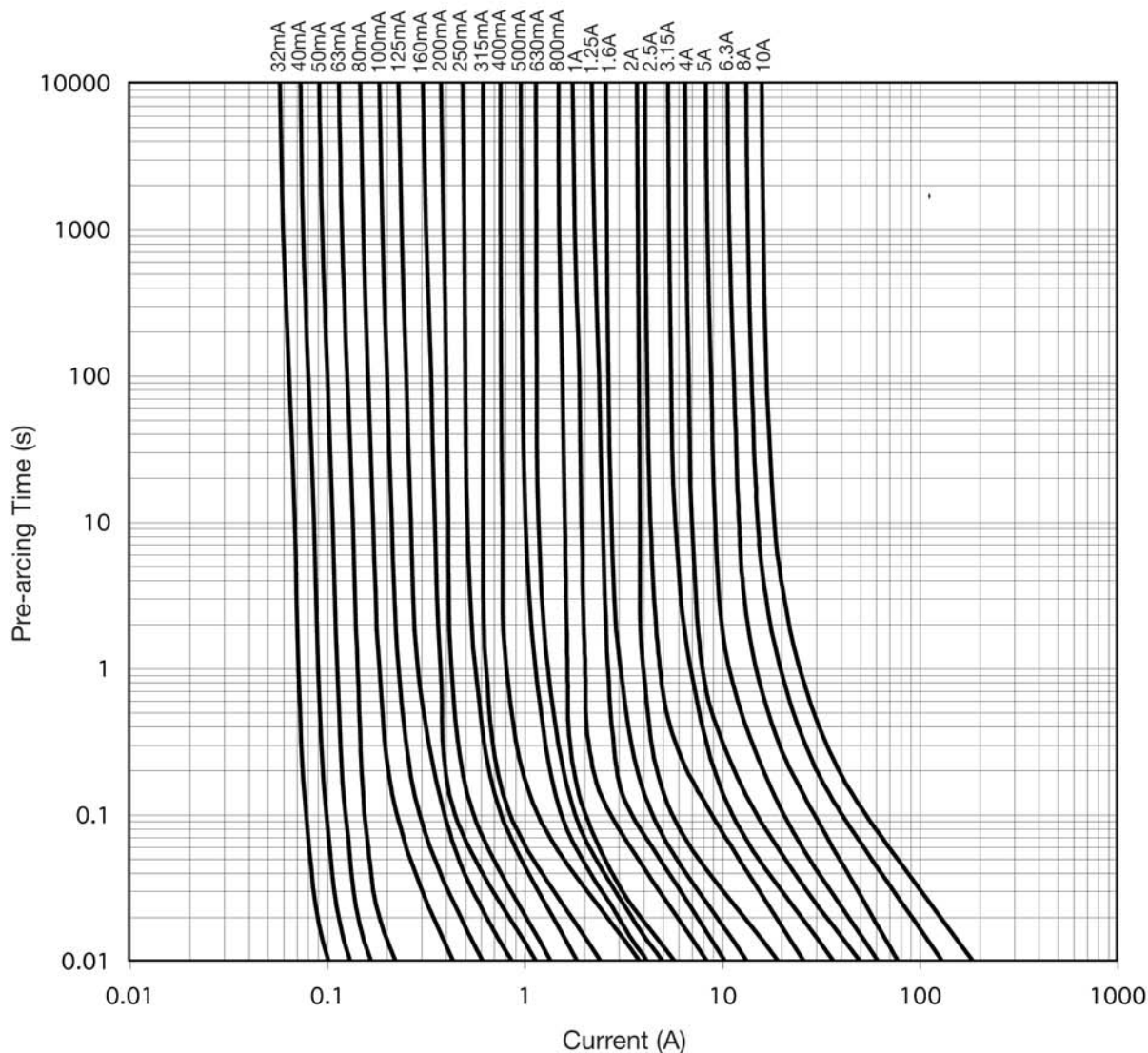
* DC Cold Resistance (Measured at <10% of rated current)

† 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

Nominal Time-Current Characteristics



Packaging Code

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

Option Code

Option Code	Description
V	Axial leads - copper tinned wire with nickel plated brass endcaps

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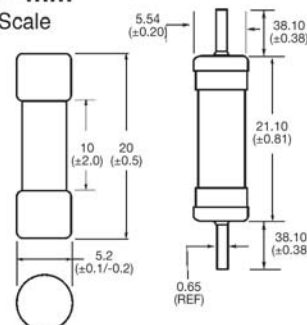
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Drawing Not to Scale



Specifications

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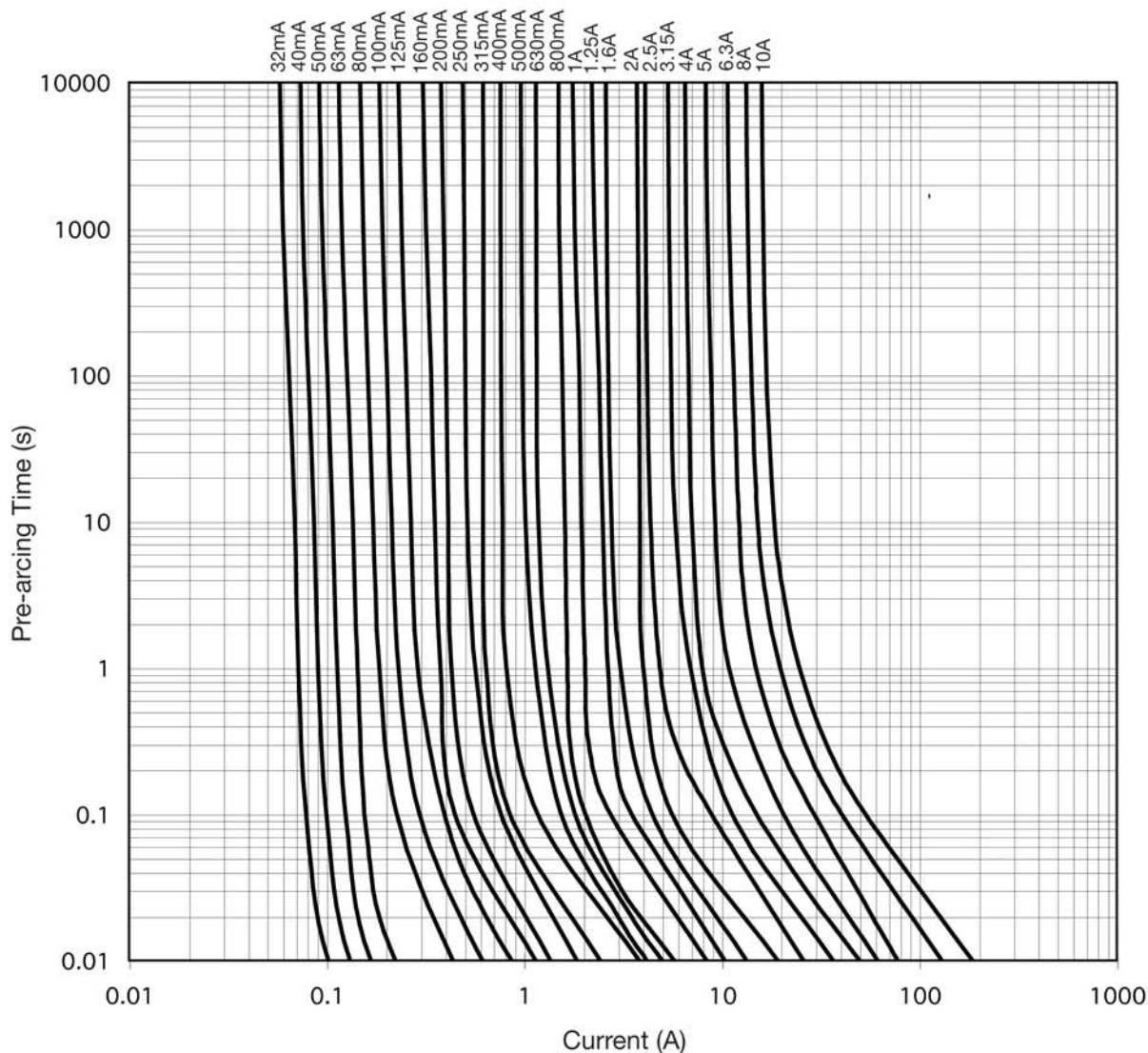
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