GDB

5 mm x 20 mm Fast-acting glass tube fuses

RoHS

Product features

- Fast-acting, low breaking capacity
- 5 x 20 mm physical size
- Glass tube, with silver-plated (32 mA - 125 mA) and nickel-plated (160 mA - 10 A) brass endcap construction
- Designed to IEC 60127-2/2 (160 mA- 10 A)

Agency information

- UL Recognized card: Guide JDYX2, File E19180
- VDE approval: File 40014109
- CSA approval: Class number 1422-30&90, file number 053787

Ordering

- Specify product code: Insert packaging code prefix before part number. E.g. BK-GDB-250mA

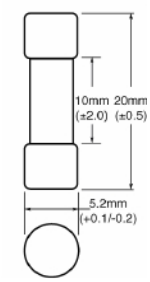
Electrical Characteristics							
	1.5 In	2.1 In	2.75 In		4 In		10 In
In	min	max	min	max	min	max	max
32mA-100mA	60 min	30 min	10 ms	500 ms	3 ms	100 ms	20 ms
125mA-6.3A	60 min	30 min	50 ms	2 sec	10 ms	300 ms	20 ms
8A-10A	30 min	30 min	50 ms	2 sec	10 ms	400 ms	40 ms

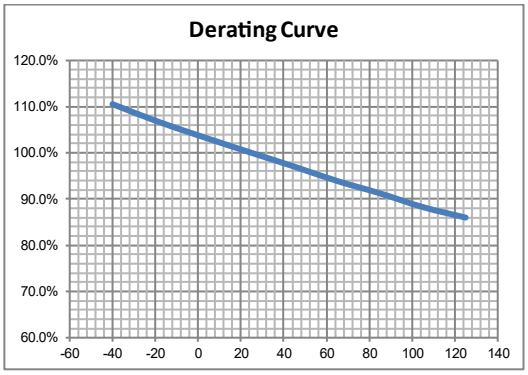
Specifications							
Part number	Voltage rating Vac	Interrupting rating (A) at rated voltage (50Hz) Vac	Typical DC cold resistance (Ω)*	Typical melting I^2t AC†	Maximum voltage drop (mV)‡	Agency approval	
						UR	VDE
GDB-32mA	250	35	290	0.00002	13000		
GDB-40mA	250	35	210	0.00006	11500		
GDB-50mA	250	35	150	0.00010	10500		
GDB-63mA	250	35	113	0.00020	9800		
GDB-80mA	250	35	22	0.0008	3000		
GDB-100mA	250	35	18	0.0013	2800		
GDB-125mA	250	35	11	0.0034	2200		
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

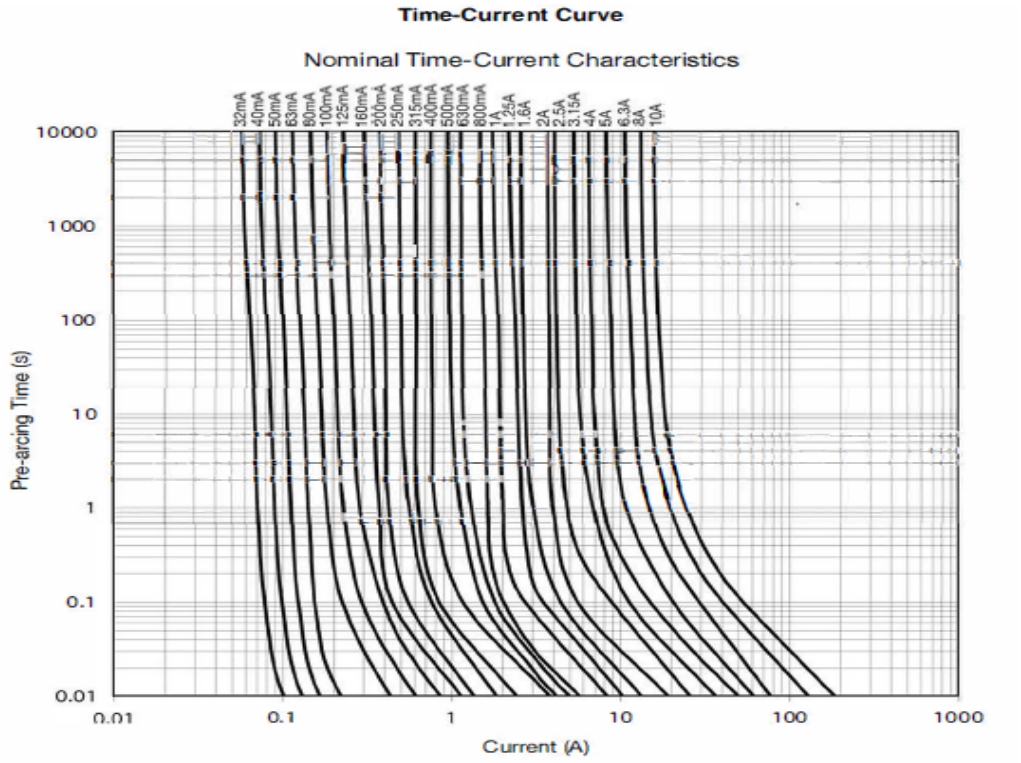
* DC cold resistance (Measured at <10% of rated current)
† Typical melting I^2t (I^2t was measured at listed interrupting rating and rated voltage)
‡ Maximum voltage drop (Voltage drop was measured at +20°C ambient temperature at rated current)
Oprerating temperature -40 °C to +125 °C with proper derating factor

Dimensions-mm

Drawing not to scale







Packaging code	
Packaging prefix	Description
BK	100 fuses packed into a cardboard carton
BK1	1,000 fuses packed into a polybag

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