

GDB

5 mm x 20 mm Fast-acting glass tube fuses



Photo is representative

Product features

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

Applications

- Power supplies
- LED and general Lighting
- LED/LCD televisions
- Appliances and white goods
- Desktops
- Test equipment
- Set top boxes
- Battery chargers
- Printers and peripherals

Environmental compliance



- Halogen free for values above 160 mA

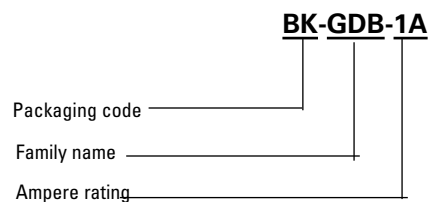
Agency information

- cURus recognized: File E19180, Guide JDYX2, JDYX8
- VDE Approval: File 40014109

Note: Philippines manufactured parts have cURus approvals only



Ordering part number



The ordering code is the part number replacing the " " with a "-"

Packaging prefix

- **BLANK:** 5 pieces in tin case
- **BK-:** 100 pieces in carton.
- **BK1-:** 1,000 pieces in polybag.



Powering Business Worldwide

Electrical characteristics

Amp rating	1.5 In min	2.1 In max	2.75 In min	max	4.0 In min	max	10 In max
32 mA - 100 mA	60 minutes	30 minutes	10 ms	500 ms	3 ms	100 ms	20 ms
125 mA - 6.3 A	60 minutes	30 minutes	50 ms	2 s	10 ms	300 ms	20 ms
8 A - 10 A	30 minutes	30 minutes	50 ms	2 s	10 ms	400 ms	40 ms

Product specifications

Part number	Current rating (A)	Voltage rating (Vac)	Interrupting rating (A) at rated voltage (50 Hz) Vac	Typical DC cold resistance ¹ (Ohms)	Typical melting ² I ² t (A ² sec)	Maximum voltage drop ³ (mV)	Agency approval	
							cURus	VDE
GDB-32mA	0.032	250	35	290	0.00002	13000		
GDB-40mA	0.04	250	35	210	0.00006	11500		
GDB-50mA	0.05	250	35	150	0.0001	10500		
GDB-63mA	0.063	250	35	113	0.0002	9800		
GDB-80mA	0.08	250	35	22	0.0008	3000		
GDB-100mA	0.10	250	35	18	0.0013	2800		
GDB-125mA	0.125	250	35	11	0.0034	2200		
GDB-160mA	0.16	250	35	8.5	0.008	2000	X	X
GDB-200mA	0.20	250	35	6.6	0.016	1700	X	X
GDB-250mA	0.25	250	35	4.32	0.28	1400	X	X
GDB-315mA	0.315	250	35	3.0	0.58	1300	X	X
GDB-400mA	0.40	250	35	1.95	0.18	1100	X	X
GDB-500mA	0.50	250	35	0.26	0.18	220	X	X
GDB-630mA	0.63	250	35	0.20	0.35	220	X	X
GDB-800mA	0.80	250	35	0.14	0.67	190	X	X
GDB-1A	1.0	250	35	0.118	0.8	200	X	X
GDB-1.25A	1.25	250	35	0.083	1.1	200	X	X
GDB-1.6A	1.6	250	35	0.058	2.1	190	X	X
GDB-2A	2.0	250	35	0.043	5.5	150	X	X
GDB-2.5A	2.5	250	35	0.032	7.9	150	X	X
GDB-3.15A	3.15	250	35	0.023	16.9	130	X	X
GDB-4A	4.0	250	40	0.021	22	130	X	X
GDB-5A	5.0	250	50	0.014	42	120	X	X
GDB-6.3A	6.3	250	63	0.010	69	120	X	X
GDB-8A	8.0	250	80	0.0095	102	120	X	X
GDB-10A	10	250	100	0.008	111	120	X	X

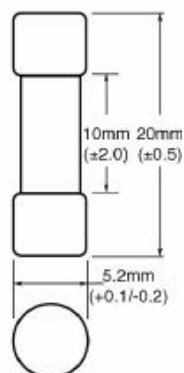
1. DC cold resistance measured at <10% of rated current

2. Typical melting I²t was measured at listed interrupting rating and rated voltage

3. Maximum voltage drop was measured at +20 °C ambient temperature at rated current

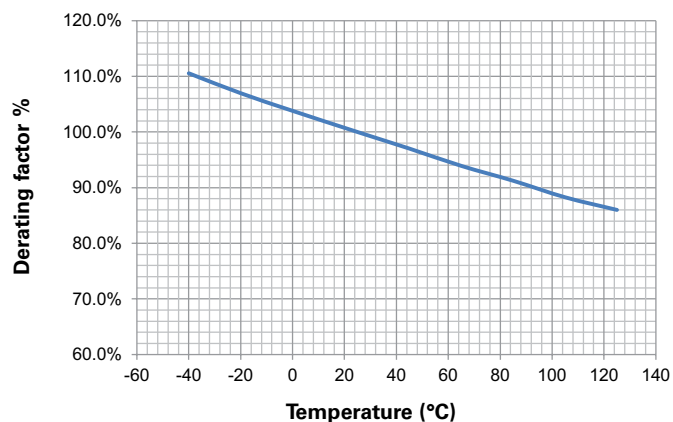
Dimensions- mm

Drawing not to scale

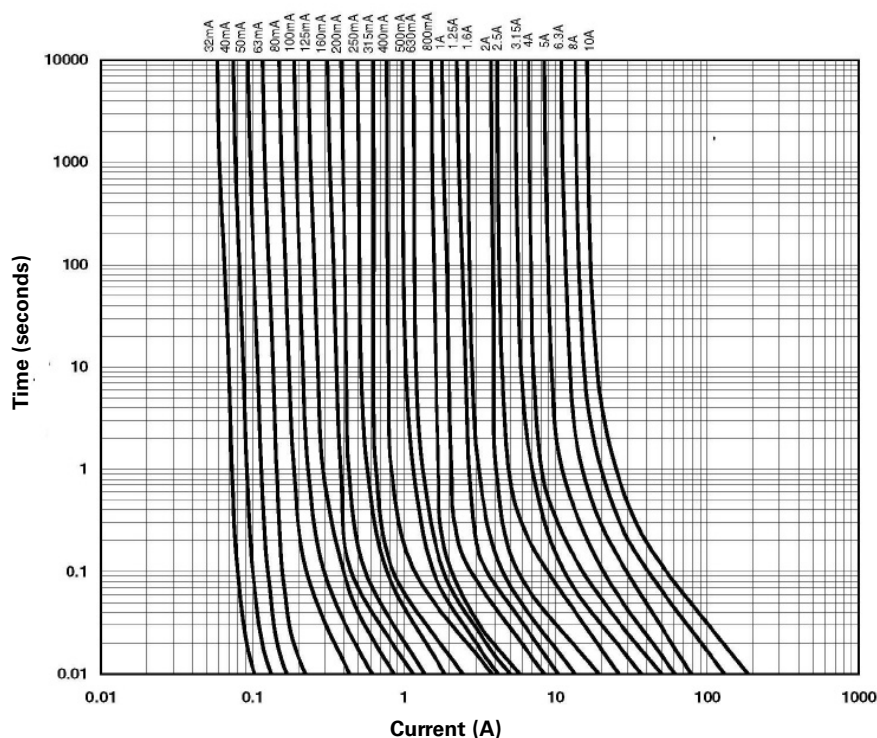


Temperature derating curve

Operating temperature: -40 °C to +125 °C with proper correction factor applied



Time vs. current curve



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