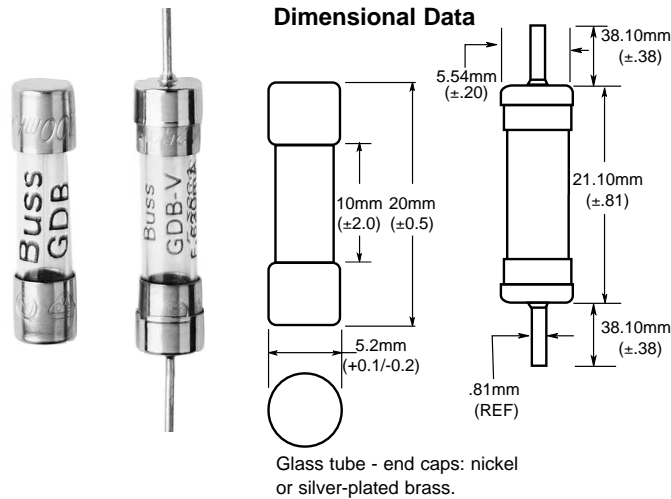


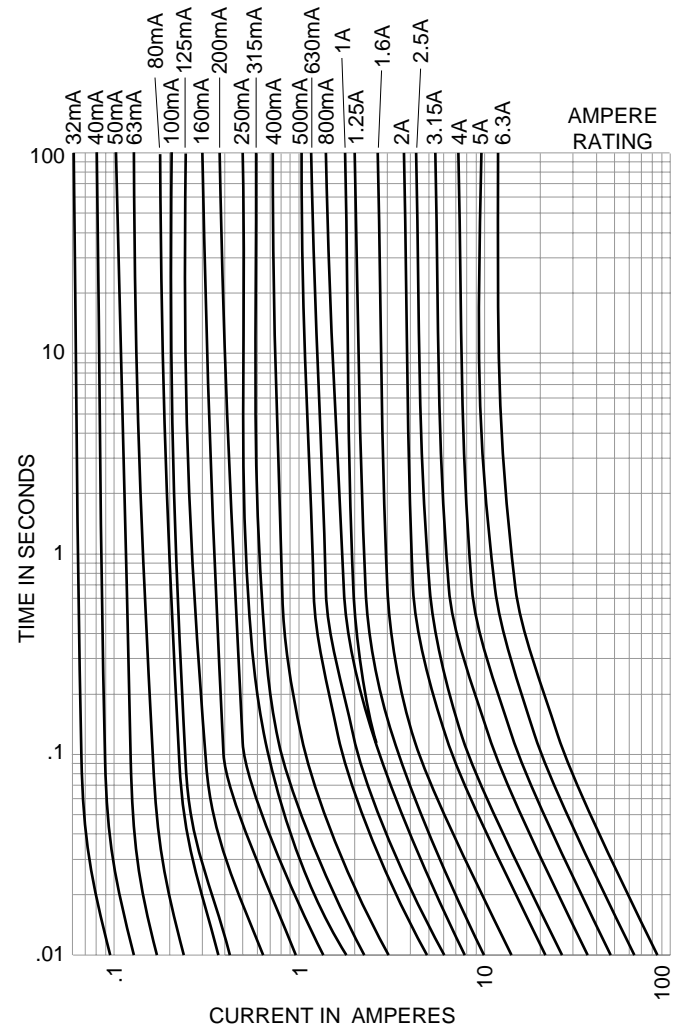
# 5 x 20mm Ferrule Fuses

## Fast Acting, Low Breaking Capacity

GDB  
GDB-V



**Time-Current Characteristic Curves—Average Melt**



CATALOG SYMBOL: GDB  
FAST-ACTING, LOW BREAKING CAPACITY  
250 VOLTS AC  
UL RECOGNIZED:  
(GUIDE #JDYX2, FILE #E75865)

**Limits for Pre-arcing Time**

In	1.5 In		2.1 In		2.75 In		4 In		10 In
	MIN	MAX	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	60 min.	30 min.	—	—	—	—	40 ms.		
12A - 16A	—	30 min.	—	—	—	—	80 ms.		

1.1 In: Δt ≤ 70°C, 125mA - 3A.  
1.0 In: Δt ≤ 70°C, 4A.

**Packaging & Ordering Information:**

<b>Product Symbol</b>	—	<b>Lead</b>	—	<b>Ampere Rating</b>
GDB S500†		<b>Package Code</b> Blank (None) V Axial Leads GDB only .032" x 1.5" Copper Tinned		

**Markings:** MFG mark, Rated Current, Rated Voltage, Characteristic Symbol, Breaking Capacity Symbol, Approvals where Applicable.

† S500 is an European Designation. In North America use GDB respectively when referencing product.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000 VAC, 75-1500 VDC). Refer to BIF document #8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

# 5 x 20mm Ferrule Fuses

## Fast Acting, Low Breaking Capacity

# GDB

## GDB-V

### Electrical Characteristics

Current Rating (In)	Rated Voltage (V)	Breaking Capacity	Voltage Drop (mV) max.	Power Dissipation (W) max.	Pre-arcing Value (I <sup>2</sup> t) (A <sup>2</sup> s) typ.	BSI	VDE	SEMKO	IMQ	UR	
32mA	250	35A at 250V, 50Hz cos $\phi$ $\approx$ 1.0	10000	0.90	0.000047					•	
40mA			8000	0.85	0.00011					•	
50mA			3200	0.40	0.00020	•	•	•	•	•	
63mA			2500	0.40	0.00057	•	•	•	•	•	
80mA			2200	0.45	0.0012	•	•	•	•	•	
100mA			2100	0.55	0.003	•	•	•	•	•	
125mA			2000	0.65	0.005	•	•	•	•	•	
160mA			1950	0.80	0.008	•	•	•	•	•	
200mA			1600	0.85	0.016	•	•	•	•	•	
250mA			1400	0.95	0.028	•	•	•	•	•	
315mA			1150	1.0	0.058	•	•	•	•	•	
400mA			950	1.0	0.18	•	•	•	•	•	
500mA			220	0.30	0.18	•	•	•	•	•	
630mA			220	0.40	0.35	•	•	•	•	•	
800mA			180	0.45	0.67	•	•	•	•	•	
1A			200	0.67	0.60	•	•	•	•	•	
1.25A			200	0.92	0.84	•	•	•	•	•	
1.6A			190	1.1	1.6	•	•	•	•	•	
2A			160	1.1	4.2	•	•	•	•	•	
2.5A			145	1.2	6.1	•	•	•	•	•	
3.15A			130	1.3	13	•	•	•	•	•	
4A			120	1.6	22	•	•	•	•	•	
5A			115	1.7	42	•	•	•	•	•	
6.3A			110	2.3	69	•	•	•	•	•	
8A*			—	—	—	—	—	—	—	—	—
10A*			—	—	—	—	—	—	—	—	—
12A*			—	—	—	—	—	—	—	—	—
16A*	—	—	—	—	—	—	—	—	—		

\* IEC Standard 127 Sheet II does not include ratings above 6.3 amps.

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