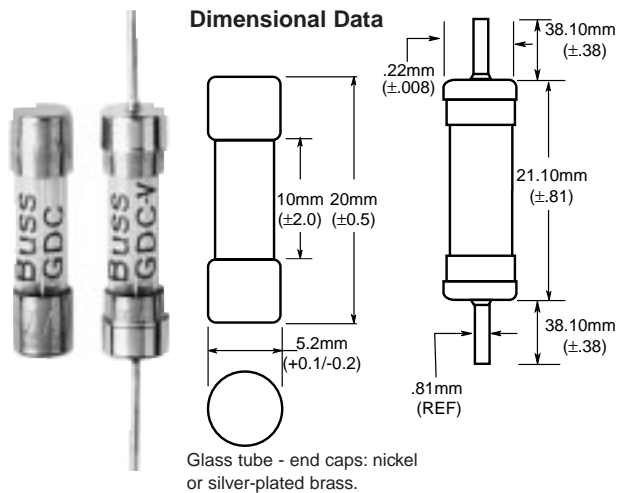


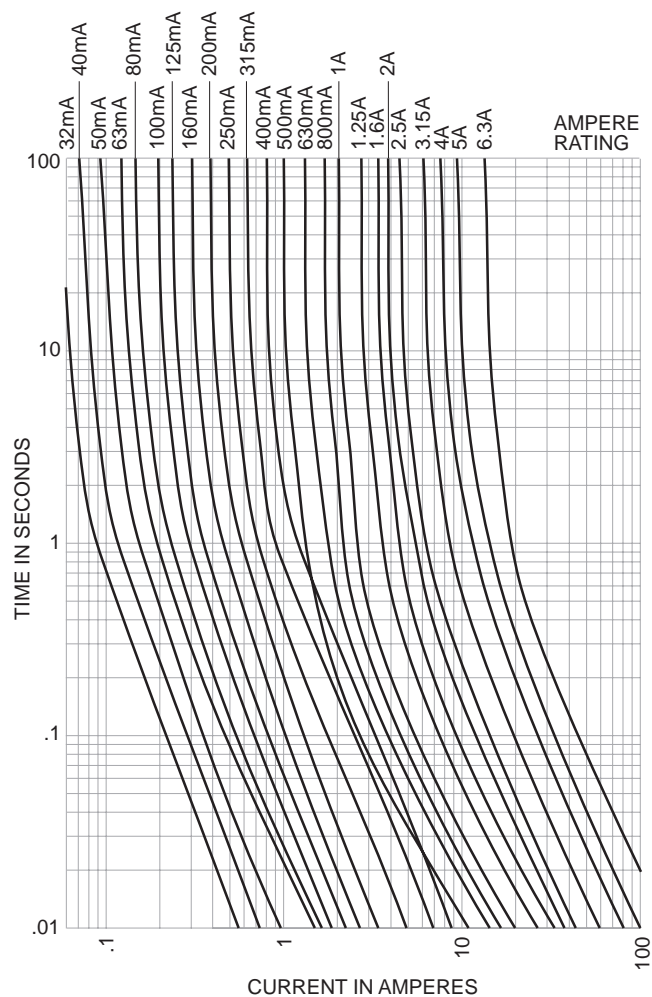
5 x 20mm Ferrule Fuses

Time-Delay, Low Breaking Capacity

GDC
GDC-V



Time-Current Characteristic Curves—Average Melt



CATALOG SYMBOL: GDC
TIME-DELAY, 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 | MIN | MAX |
| 32mA - 100mA | 60 min. | 2 min. | 200 ms. | 10 sec. | 40 ms. | 3 sec. | 10 ms. | 300 ms. | | |
| 125mA - 6.3A | 60 min. | 2 min. | 600 ms. | 10 sec. | 150 ms. | 3 sec. | 20 ms. | 300 ms. | | |
| 8A - 12.5A | 30 min. | 5 min. | 600 ms. | 10 sec. | 150 ms. | 3 sec. | 20 ms. | 300 ms. | | |

Packaging & Ordering Information:

| | | |
|-----------------------|---|----------------------|
| Product Symbol | Lead | Ampere Rating |
| GDC S506† | Package Code Blank (None) V Axial Leads .032" x 1.5" Copper Tinned | |

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

†S506 is a European designation. In North America, use GDC respectively when referencing product, except 8, 10 and 12.5A.

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

Time-Delay, Low Breaking Capacity

GDC

GDC-V

Electrical Characteristics

| Current Rating (In) | Rated Voltage (V) | Breaking Capacity | Voltage Drop (mV) max. | Power Dissipation (W) max. | Pre-arcing Value (I ² t) (A ² s) typ. | BSI | VDE | SEMKO | IMQ | UR |
|---------------------|-------------------|-------------------------------------|------------------------|----------------------------|---|-----|-----|-------|-----|----|
| 32mA | 250 | 35A at 250V, 50Hz cos φ = 1.0 | 1050 | 0.14 | 0.0014 | • | • | • | • | • |
| 40mA | | | 920 | 0.16 | 0.0034 | • | • | • | • | • |
| 50mA | | | 800 | 0.16 | 0.006 | • | • | • | • | • |
| 63mA | | | 760 | 0.16 | 0.012 | • | • | • | • | • |
| 80mA | | | 580 | 0.17 | 0.015 | • | • | • | • | • |
| 100mA | | | 490 | 0.17 | 0.022 | • | • | • | • | • |
| 125mA | | | 390 | 0.18 | 0.034 | • | • | • | • | • |
| 160mA | | | 320 | 0.20 | 0.052 | • | • | • | • | • |
| 200mA | | | 340 | 0.32 | 0.078 | • | • | • | • | • |
| 250mA | | | 270 | 0.32 | 0.17 | • | • | • | • | • |
| 315mA | | | 250 | 0.32 | 0.41 | • | • | • | • | • |
| 400mA | | | 210 | 0.32 | 0.61 | • | • | • | • | • |
| 500mA | | | 168 | 0.25 | 0.75 | • | • | • | • | • |
| 630mA | | | 158 | 0.31 | 1.3 | • | • | • | • | • |
| 800mA | | | 132 | 0.34 | 3.1 | • | • | • | • | • |
| 1A | | | 85 | 0.22 | 3.6 | • | • | • | • | • |
| 1.25A | | | 80 | 0.28 | 7 | • | • | • | • | • |
| 1.6A | | | 80 | 0.34 | 10 | • | • | • | • | • |
| 2A | | | 80 | 0.42 | 17 | • | • | • | • | • |
| 2.5A | | | 80 | 0.54 | 34 | • | • | • | • | • |
| 3.15A | | | 75 | 0.67 | 56 | • | • | • | • | • |
| 4A | | | 75 | 0.90 | 91 | • | • | • | • | • |
| 5A | | | 75 | 1.15 | 133 | • | • | • | • | • |
| 6.3A | | | 65 | 1.3 | 270 | • | • | • | • | • |
| 8A* ** | 75 | — | 550 | • | • | • | • | • | | |
| 10A* ** | 55 | — | 917 | • | • | • | • | • | | |
| 12.5A* ** | 60 | — | 852 | • | • | • | • | • | | |

*IEC Standard 127 Sheet III does not include ratings above 6.3A.

**Product is available only as S506 series.

This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.