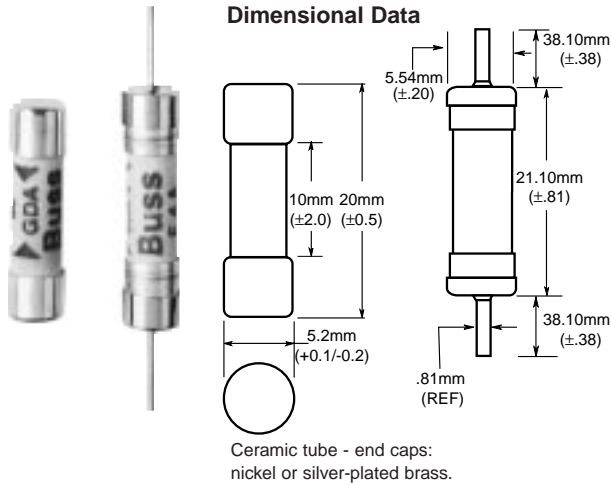


5 x 20mm Ferrule Fuses

Fast Acting, High Breaking Capacity

GDA

GDA-V



CATALOG SYMBOL: GDA
 FAST ACTING
 HIGH BREAKING CAPACITY
 250 VOLTS AC OR LESS
 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 |
| 50mA - 3.15A | 60 min. | 30 min. | 10 ms. | 2 sec. | 3 ms. | 300 ms. | 20 ms. | | |
| 4A - 10A | 60 min. | 30 min. | 10 ms. | 3 sec. | 3 ms. | 300 ms. | 20 ms. | | |

1.1 In: $\Delta t \leq 70^\circ\text{C}$, 125mA - 3A.

1.0 In: $\Delta t \leq 70^\circ\text{C}$, 4A.

Packaging & Ordering Information:

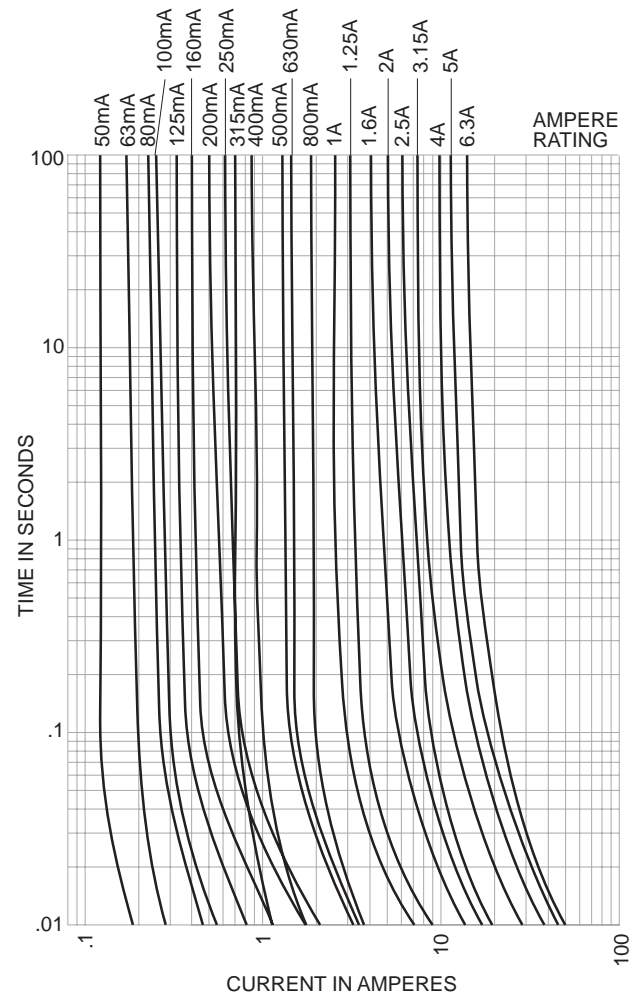
| Product Symbol | Lead | Ampere Rating |
|----------------|---|---------------|
| GDA S501† | Package Code Blank (None) V Axial Leads GDA only .032" x 1.5" Copper Tinned | |

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

† S501 is a European designation. In North America use GDA respectively when referencing product, except 8 and 10A.

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.

Time-Current Characteristic Curves—Average Melt



5 x 20mm Ferrule Fuses

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GDA

GDA-V

Electrical Characteristics

| Current Rating (In) | Rated Voltage (V) | Breaking Capacity | Voltage Drop (mV) max. | Power Dissipation (W) max. | Pre-arcing Value (I^2t) (A ² s) typ. | BSI | VDE | SEMKO | IMQ | UR | |
|---------------------|-------------------|--|------------------------|----------------------------|---|-----|-----|-------|-----|----|---|
| 50mA | 250 | 1500A 250V, 50Hz $\cos \phi \approx 0.7 - 0.8$ | 9000 | 1.1 | 0.0017 | | | • | | • | |
| 63mA | | | 3300 | 0.36 | 0.0005 | | | | | | |
| 80mA | | | 2600 | 0.44 | 0.0011 | | | | | | |
| 100mA | | | 2300 | 0.52 | 0.0018 | | | | | | |
| 125mA | | | 1900 | 0.6 | 0.0037 | | | | | | |
| 160mA | | | 1600 | 0.64 | 0.008 | | | | | | |
| 200mA | | | 1350 | 0.75 | 0.020 | | | | • | | |
| 250mA | | | 1300 | 0.82 | 0.027 | | | | | | |
| 315mA | | | 1400 | 1.1 | 0.010 | | | | | | |
| 400mA | | | 1200 | 1.2 | 0.018 | | | | | • | • |
| 500mA | | | 1050 | 1.3 | 0.038 | | | | | • | • |
| 630mA | | | 1200 | 1.5 | 0.064 | | | | | • | • |
| 800mA | | | 490 | 1.3 | 0.097 | | | | | • | • |
| 1A | | | 230 | 0.83 | 0.480 | | | | | • | • |
| 1.25A | | | 200 | 0.83 | 0.9 | | | | | • | • |
| 1.6A | | | 180 | 0.83 | 1.9 | | | | | • | • |
| 2A | | | 205 | 1.5 | 2.0 | | | | | • | • |
| 2.5A | | | 190 | 1.6 | 3.9 | | | | | • | • |
| 3.15A | | | 160 | 1.7 | 8.1 | | | | | • | • |
| 4A | | | 160 | 1.9 | 14 | | | | • | • | • |
| 5A | 155 | 2.5 | 25 | | | | | • | • | | |
| 6.3A | 150 | 3.0 | 48 | | | | • | • | • | | |
| 8A* ** | 140 | | 100 | | | | | • | • | | |
| 10A* ** | 140 | | 160 | | | | | | | | |

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

**Product is available only as S501 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.