

**Cooper Bussmann**

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## AGC-5-R

Fast Acting, 1/4 X 1-1/4 Inch, Glass Tube Fuse

### Product Information

|                 |                 |
|-----------------|-----------------|
| Product Type:   | Fuse            |
| Product Family: | Electronic      |
| Brand:          | Cooper Bussmann |

### Recommended Products

|                               |                               |
|-------------------------------|-------------------------------|
| Rec. Fuse Block:              | <a href="#">S-8000 Series</a> |
| Rec. Inline Fuse Holder:      | <a href="#">HRK</a>           |
| Rec. Panel-mount Fuse Holder: | <a href="#">HTB Series</a>    |
| Rec. Fuse Clips:              | <a href="#">1A1907 Series</a> |

### Physical Properties

|             |                                   |
|-------------|-----------------------------------|
| Dimensions: | 1.25in.(L) × 0.25in.(W) × 0in.(H) |
|-------------|-----------------------------------|

### Certifications

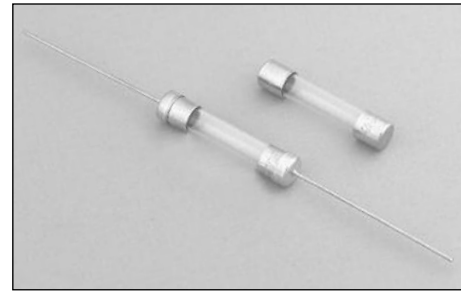
- [UL Listed](#)
- [CSA Certified](#)

### Electrical Properties

|                          |  |
|--------------------------|--|
| Maximum AC Voltage:      | 250  |
| Amperage Rating:         | 5  |
| AC Interrupting Ratings: | <ul style="list-style-type: none"> <li>• 200 at 250V</li> <li>• 10000 at 125V</li> </ul> |
| Fast Acting:             | Yes  |

### Description

- Fast-acting, glass tube
- Optional axial leads available
- 1/4 x 1-1/4 (6.3mm x 32mm) physical size
- Glass tube, nickel-plated brass endcap construction
- UL Listed product meets standard 248-14



| ELECTRICAL CHARACTERISTICS |                     |
|----------------------------|---------------------|
| % of Amp Rating            | Opening Time        |
| 100%                       | None                |
| 135%                       | 60 Minutes Maximum  |
| 200%                       | 120 Seconds Maximum |

### Agency Information

- UL Listed Card: AGC 1/500-10
- UL Recognition Card: AGC 11-45
- CSA Component Acceptance Card (Class No. 1422 30)
- CSA Certification Card (Class No. 1422 01)

### Environmental Data

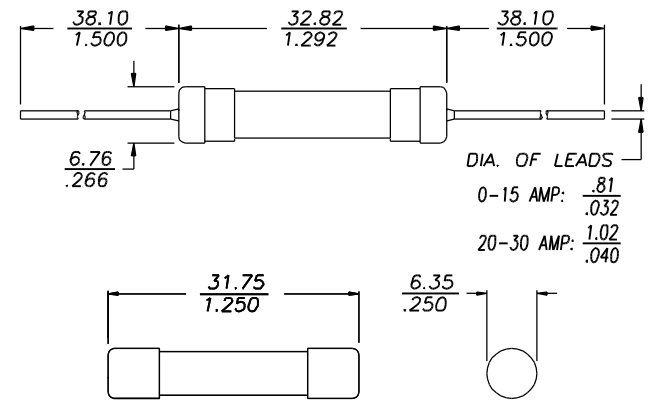
- Shock: 1/100A thru 3/4A – MIL-STD-202, Method 213, Test Condition I; 1A thru 30A – MIL-STD-202, Method 207, (HI Shock)
- Vibration: 1/100A thru 30A – MIL-STD-202, Method 204, Test Condition A (Except 5g, 500HZ)

### Ordering

- Specify packaging, product, and option code

### Dimensions (mm/in)

Drawing Not to Scale



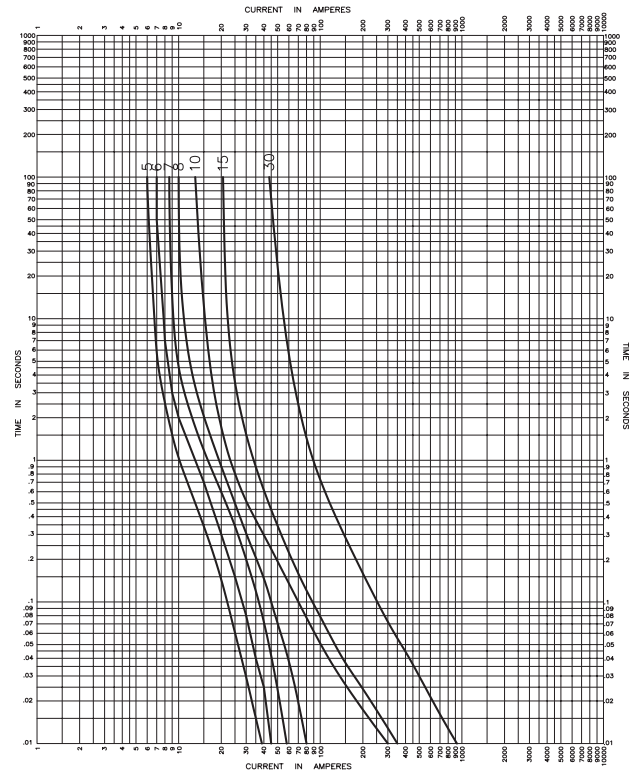
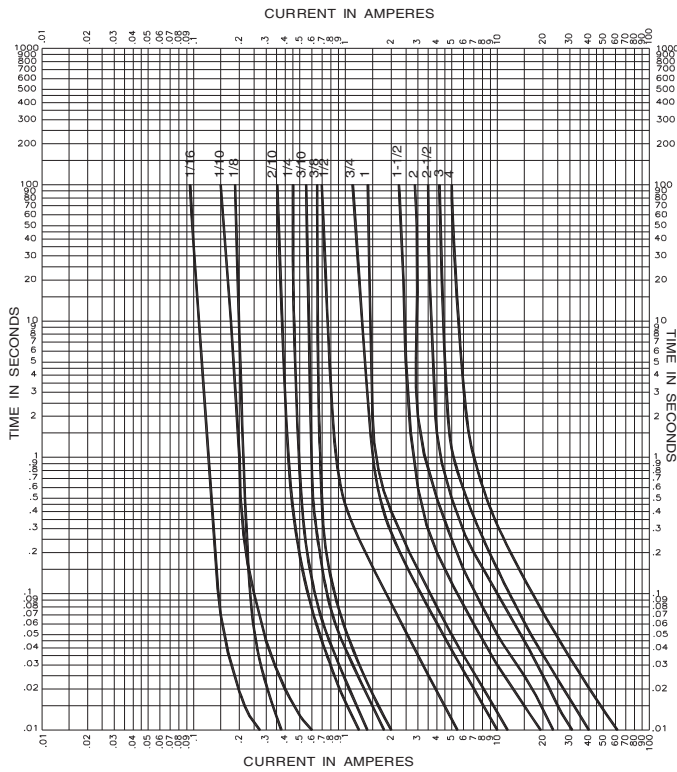
| SPECIFICATIONS |                   |                        |        |       |                                     |                                      |                       |
|----------------|-------------------|------------------------|--------|-------|-------------------------------------|--------------------------------------|-----------------------|
| Product Code   | Voltage Rating AC | AC Interrupting Rating |        |       | Typical DC Cold Resistance** (ohms) | Typical Melting I <sup>2</sup> t† AC | Typical Voltage Drop‡ |
|                |                   | 250V                   | 125V   | 32V   |                                     |                                      |                       |
| AGC-1/20       | 250V              | 35A                    | 10000A | -     | 4.500                               | 0.00773                              | 0.67                  |
| AGC-1/16       | 250V              | 35A                    | 10000A | -     | 29.000                              | 0.000181                             | 10.41                 |
| AGC-1/10       | 250V              | 35A                    | 10000A | -     | 12.565                              | 0.000787                             | 6.00                  |
| AGC-1/8        | 250V              | 35A                    | 10000A | -     | 6.800                               | 0.00131                              | 4.67                  |
| AGC-3/16       | 250V              | 35A                    | 10000A | -     | 4.900                               | 0.00637                              | 4.12                  |
| AGC-2/10       | 250V              | 35A                    | 10000A | -     | 3.360                               | 0.00435                              | 4.51                  |
| AGC-1/4        | 250V              | 35A                    | 10000A | -     | 2.300                               | 0.0148                               | 0.89                  |
| AGC-3/10       | 250V              | 35A                    | 10000A | -     | 1.670                               | 0.0208                               | 2.88                  |
| AGC-3/8        | 250V              | 35A                    | 10000A | -     | 1.203                               | 0.0321                               | 4.59                  |
| AGC-1/2        | 250V              | 35A                    | 10000A | -     | 0.615                               | 0.269                                | 0.59                  |
| AGC-3/4        | 250V              | 35A                    | 10000A | -     | 0.312                               | 0.815                                | 0.37                  |
| AGC-1          | 250V              | 35A                    | 10000A | -     | 0.190                               | 1.615                                | 0.31                  |
| AGC-1-1/4      | 250V              | 100A                   | 10000A | -     | 0.145                               | 0.018                                | 0.35                  |
| AGC-1-1/2      | 250V              | 100A                   | 10000A | -     | 0.115                               | 0.0149                               | 0.27                  |
| AGC-2          | 250V              | 100A                   | 10000A | -     | 0.078                               | 0.00509                              | 0.28                  |
| AGC-2-1/4      | 250V              | 100A                   | 10000A | -     | 0.067                               | 0.00588                              | 0.26                  |
| AGC-2-1/2      | 250V              | 100A                   | 10000A | -     | 0.057                               | 0.00879                              | 0.31                  |
| AGC-3          | 250V              | 100A                   | 10000A | -     | 0.045                               | 0.0167                               | 0.25                  |
| AGC-4          | 250V              | 200A                   | 10000A | -     | 0.030                               | 0.0305                               | 0.22                  |
| AGC-5          | 250V              | 200A                   | 10000A | -     | 0.024                               | 0.045                                | 0.23                  |
| AGC-6          | 250V              | 200A                   | 10000A | -     | 0.020                               | 0.071                                | 0.23                  |
| AGC-7          | 250V              | 200A                   | 10000A | -     | 0.017                               | 0.105                                | 0.23                  |
| AGC-7-1/2      | 250V              | 200A                   | 10000A | -     | 0.0146                              | -                                    | -                     |
| AGC-8          | 250V              | 200A                   | 10000A | -     | 0.014                               | 0.152                                | 0.19                  |
| AGC-9          | 250V              | 200A                   | 10000A | -     | 0.012                               | 0.21                                 | 0.18                  |
| AGC-10         | 250V              | 200A                   | 10000A | -     | 0.008                               | 0.492                                | 0.20                  |
| AGC-12         | 32V               | -                      | -      | 1000A | 0.0070                              | -                                    | -                     |
| AGC-14         | 32V               | -                      | -      | 1000A | 0.0062                              | -                                    | -                     |
| AGC-15         | 32V               | -                      | -      | 1000A | 0.006                               | 0.566                                | 0.14                  |
| AGC-20         | 32V               | -                      | -      | 1000A | 0.004                               | 1.438                                | 0.12                  |
| AGC-25         | 32V               | -                      | -      | 1000A | 0.003                               | 2.109                                | 0.11                  |
| AGC-30         | 32V               | -                      | -      | 1000A | 0.002                               | 3.807                                | 0.12                  |
| AGC-35         | 32V               | -                      | -      | 70A   | 0.0014                              | -                                    | -                     |
| AGC-40         | 32V               | -                      | -      | 80A   | 0.0019                              | -                                    | -                     |

\*\* DC Cold Resistance (Measured at ≤10% of rated current)

† Typical Melting I<sup>2</sup>t (A<sup>2</sup>Sec) (I<sup>2</sup>t was measured at listed interrupting rating and rated voltage.)

‡ Typical Voltage Drop (Voltage drop was measured at 25°C ambient temperature at rated current)

**TIME CURRENT CURVE**



| <b>PACKAGING CODE</b> |  |
|-----------------------|--|
| <b>Packaging Code</b> | <b>Description</b>   |
| <b>BK</b>             | 100 pieces of fuses packed into a cardboard carton with flaps folded   |
| <b>BK1</b>            | 1,000 pieces of fuses packed into a cardboard carton with flaps folded |
| <b>BK8</b>            | 8,000 pieces of fuses packed into a cardboard carton with flaps folded |

| <b>OPTION CODE</b> |  |
|--------------------|--|
| <b>Option Code</b> | <b>Description</b>   |
| <b>B</b>           | Board Washable - Hermetically sealed to withstand aqueous cleaning |
| <b>V</b>           | Axial leads - copper tinned wire with nickel plated brass overcaps |
| <b>-R</b>          | RoHS compliant version   |