

Fast-Acting Glass Fuses

For ¼" × 1¼" (6.3mm × 32mm)

AGC

AGC-V



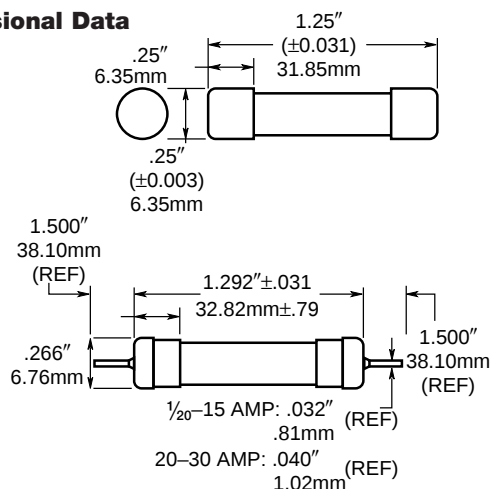
Catalog Symbol: AGC (3AG)

Fast-Acting

***Agency Approvals:** U.L./CSA 248-14

Construction: Glass Tube
Nickel-Plated Brass Endcaps

Dimensional Data



Electrical Characteristics

Rated Current	Rated Voltage		Interrupting Rating ¹		Pre-arcing I ² t (A ² Sec)		Typical Total Clearing ³ I ² t (A ² Sec)		Typical Voltage Drop ² Volts at 100% Rated Current	Agency* Approvals		
	AC (Max.)	DC ⁶ (Max.)	AC	DC ⁶	AC	DC ⁶	AC	DC ⁶		UL	ULR	CSA
1/20	250V	250V	35A	35A	2.60 × 10 ⁻⁴	4.09	6.50 × 10 ⁻⁴	7.94	.67	•	•	•
1/16	250V	250V	35A	35A	2.40 × 10 ⁻⁴	7.60 × 10 ⁻⁵	3.40 × 10 ⁻⁴	2.12 × 10 ⁻⁴	10.41	•	•	•
1/10	250V	250V	35A	35A	5.50 × 10 ⁻⁴	4.77 × 10 ⁻⁴	1.01 × 10 ⁻³	1.27 × 10 ⁻³	6.00	•	•	•
1/8	250V	250V	35A	35A	.003	.002	.69	.003	4.67	•	•	•
3/16	250V	250V	35A	35A	.008	.007	.84	.011	4.12	•	•	•
2/10	250V	250V	35A	35A	.011	.008	.74	.013	4.51	•	•	•
1/4	250V	250V	35A	35A	.015	.014	.38	.049	.89	•	•	•
3/10	250V	250V	35A	35A	.044	.040	1.57	.051	2.88	•	•	•
3/8	250V	250V	35A	35A	.091	.072	2.59	.118	4.59	•	•	•
4 3/100	250V	250V	35A	35A	.12	.09	2.78	2.67	2.67	•	•	•
1/2	250V	250V	35A	35A	.28	.24	2.75	1.41	.59	•	•	•
3/4	250V	250V	35A	35A	.82	.80	3.69	1.49	.37	•	•	•
1	250V	250V	35A	35A	1.50	1.44	5.21	2.87	.31	•	•	•
1 1/4	250V	250V	100A	100A	1.95	2.14	10.69	9.66	.35	•	•	•
1 1/2	250V	250V	100A	100A	3.44	3.80	16.41	19.08	.27	•	•	•
2	250V	250V	100A	100A	5.4	—	22.14	—	.28	•	•	•
2 1/4	250V	250V	100A	100A	6.0	5.93	19.04	15.70	.26	•	•	•
2 1/2	250V	250V	100A	100A	5.3	7.36	19.70	14.67	.31	•	•	•
3	250V	250V	100A	100A	12.19	13.25	27.29	24.07	.25	•	•	•
4	250V	250V	200A	200A	25.08	27.57	74.91	51.20	.22	•	•	•
5	250V	250V	200A	200A	7.08	7.19	39.80	22.70	.23	•	•	•
6	250V	250V	200A	200A	10.52	11.60	59.49	30.60	.23	•	•	•
7	250V	250V	200A	200A	13.27	14.20	67.68	42.30	.23	•	•	•
8	250V	250V	200A	200A	24.56	25.59	104.90	55.81	.19	•	•	•
9	250V	250V	200A	200A	211.00	205.33	238.40	274.00	.18	•	•	•
10	250V	250V	200A	200A	240.30	268.00	315.70	322.00	.20	•	•	•
15	32V	32V	1000A	1000A	577.00	—	691.00	—	.14	•	•	•
20	32V	32V	1000A	1000A	1241.00	—	1450.00	—	.12	•	•	•
25	32V	32V	1000A	1000A	2276.00	—	2588.00	—	.11	•	•	•
30	32V	32V	1000A	1000A	3812.00	—	4098.00	—	.12	•	•	•

*Approvals: U.L. Listed, Std. 248-14, Guide JDYX, File E19180; CSA Certification, Class 1422-01, File 53787; AGC & AGC-V U.L. Recognized, Guide JDYX2, File E19180.

- Interrupting ratings were measured at 70%-80% power factor on AC, and at a time constant described in U.L. 198L.
- Voltage drop was measured at 25°C ± 3°C ambient temperature at rated current.
- I²t was measured at listed interrupting rating and rated voltage.
- Interrupting rating for AGC 1/500-10A @ 125V is 10,000A. Interrupting rating listed corresponds to maximum rated voltage.
- The AGC-10A fuse is self-certified for 32 Vdc at 1000 AIC.
- Other available sizes include: 1/500, 1/200, 1/100, 1/50, 1/25, 15/100, 1/3, 4/10, 6/10, 8/10, 12/10, 13/10, 16/10, 13/4, 18/10, 32/10, 3/2, 4/2, 6/4, 7/2, 12 and 14.
- 1-10A, U.L. Recognized for 125 Vdc and 500 AIC. Other DC ratings are self-certified.

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 636-527-1270 for more information.

Time-Current Characteristics

Rated Current	Percent of Rating		
	110%	135%	200%
1/20-30	4 hrs. (min)	60 min. (max)	120 sec. (max)

Packaging & Ordering Information:

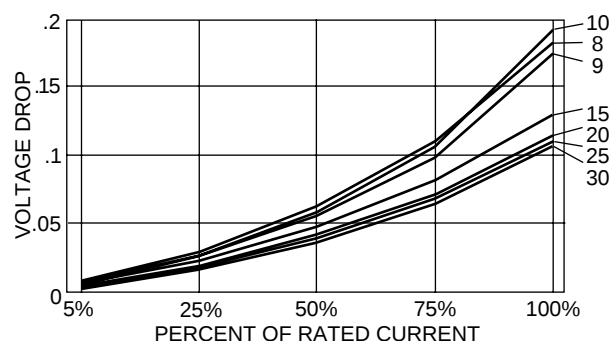
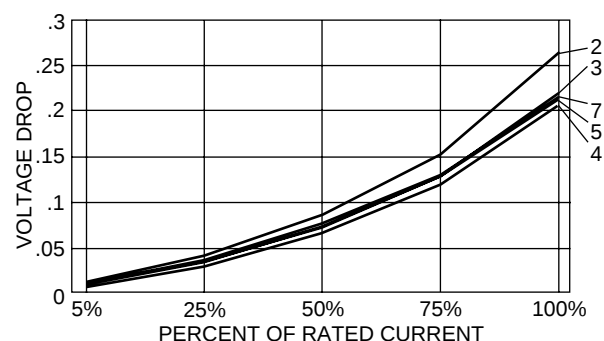
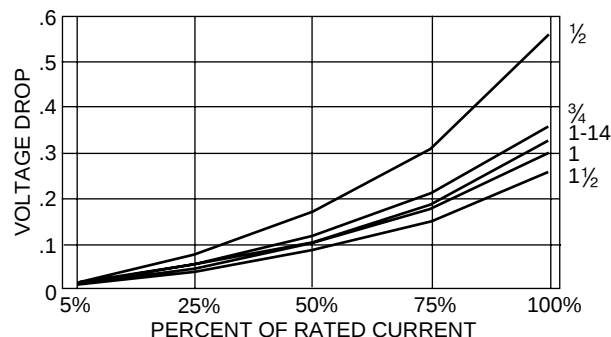
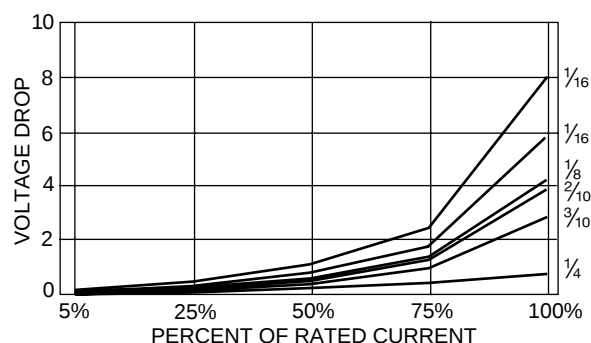
Package Code Blank 5 in BK/ 100 in	AGC — V — (See Table)	Lead Blank -no lead V-Axial lead	Rated Current
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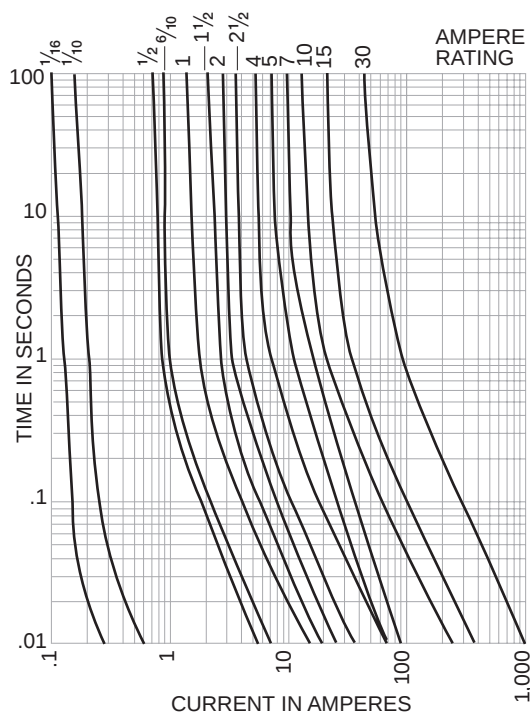
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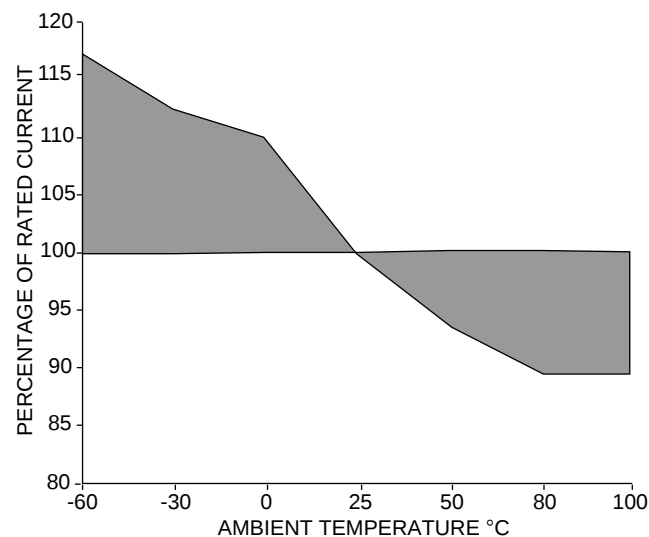
1.0 Typical Voltage Drop (At 25°C Ambient Temperature)



Time-Current Characteristic Curves—Average Melt (Full Size Curves Available)



2.0 Ambient Temperature Effect Chart (Derating Curve)



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