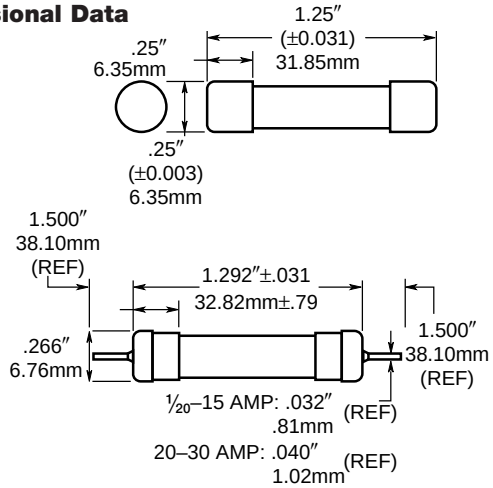
Fast-Acting Glass Fuses

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 AC (Max.)	Rated Voltage DC[6] (Max.)	Interrupting Rating[1] AC	Interrupting Rating[1] DC[6]	Pre-arcing I^2t (A^2Sec) AC	Pre-arcing I^2t (A^2Sec) DC[6]	Typical Total Clearing[3] I^2t (A^2Sec) AC	Typical Total Clearing[3] I^2t (A^2Sec) DC[6]	Typical Voltage Drop[2] Volts at 100% Rated Current	Agency* Approvals U.L.	U.R.	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 5/100	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	•		•
1¼	250V	250V	100A	100A	1.95	2.14	10.69	9.66	.35	•		•
1½	250V	250V	100A	100A	3.44	3.80	16.41	19.08	.27	•		•
2	250V	250V	100A	100A	5.4	—	22.14	—	.28	•		•
2¼	250V	250V	100A	100A	6.0	5.93	19.04	15.70	.26	•		•
2½	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.

1. Interrupting ratings were measured at 70%-80% power factor on AC, and at a time constant described in U.L. 198L.
2. Voltage drop was measured at 25°C ± 3°C ambient temperature at rated current.
3. I^2t was measured at listed interrupting rating and rated voltage.
4. Interrupting rating for AGC 1/500-10A @ 125V is 10,000A. Interrupting rating listed corresponds to maximum rated voltage.
5. The AGC-10A fuse is self-certified for 32 Vdc at 1000 AIC.
6. Other available sizes include: 1/500, 1/200, 1/100, 1/50, 1/32, 15/100, 175/1000, 1/3, 4/10, 6/10, 8/10, 12/10, 13/10, 16/10, 13/4, 18/10, 32/10, 3½, 4½, 6¼, 7½, 12 and 14.
7. 1-10A, U.L. Recognized for 125 Vdc and 500 AIC. Other DC ratings are self-certified.

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:

	AGC	—	V	— (See Table)
Package Code **Blank** 5 in **BK/** 100 in	**Product Symbol**		**Lead** **Blank -no lead** **V-Axial lead**	**Rated Current**

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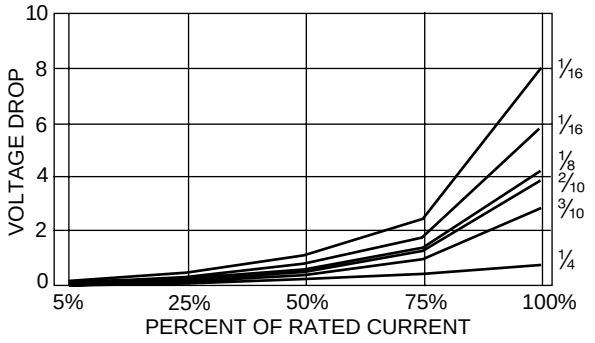
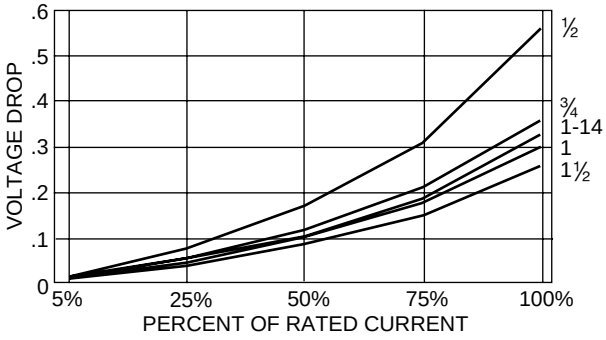
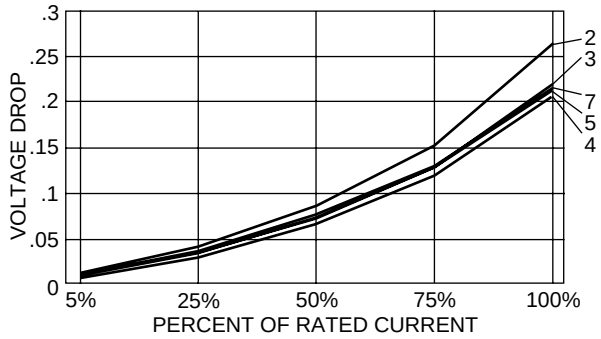
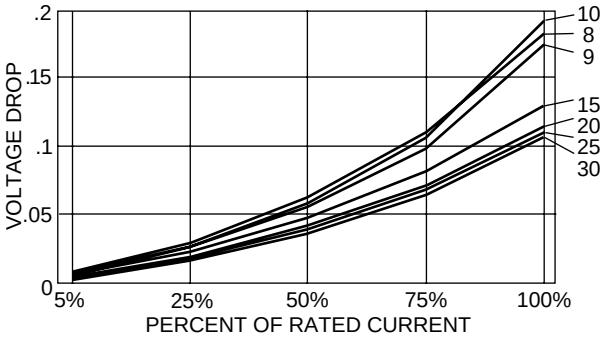
1.0 Typical Voltage Drop (At 25°C Ambient Temperture)

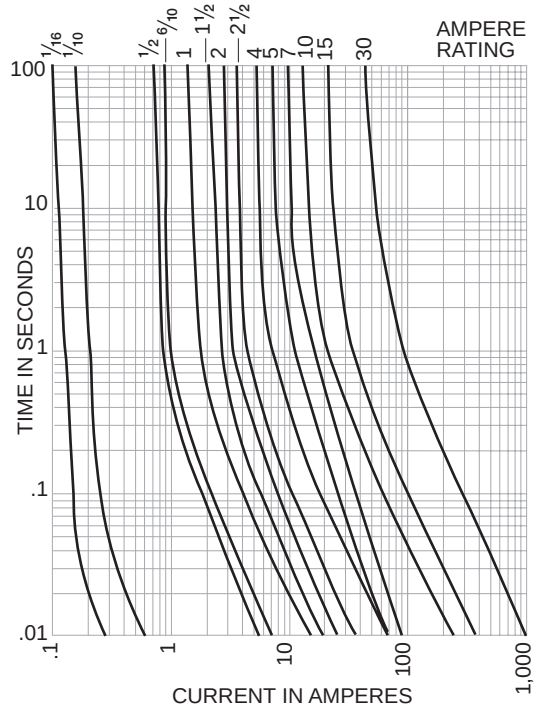








Time-Current Characteristic Curves–Average Melt (Full Size Curves Available)



2.0 Ambient Temperature Effect Chart (Derating Curve)