

Fast-Acting Ceramic Fuses

For ¼" × 1¼" (6.3mm × 32mm)

ABC
ABC-V



Catalog Symbol: ABC (3AB)

Fast-Acting

Agency Approvals*:

U.L./CSA No. 248-14

Construction: Ceramic,
Nickel Plated
Brass Endcaps

Packaging & Ordering Information:

Package Code Blank 5 in BK/ 100 in	ABC Product Symbol	V Lead Blank V-Axial lead	(See Table) Rated Current
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Weight = 1.0 lbs/100

Time-Current Characteristics

Rated Current	Percent of Rating		
	110%	135%	200%
¼-30	4 hrs. (min)	60 min. (max)	120 sec. (max)

Electrical Characteristics

Rated Current ⁵	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 ^{6,7} (Max.)	AC	DC ⁶	AC	DC ⁶	AC	DC ⁶		U.L.	UR	CSA
¼	250V	250V	35A	35A	.02	.03	1.42	.03	3.25	•	•	•
½	250V	250V	35A	35A	.26	.21	1.45	2.37	.51	•	•	•
¾	250V	250V	35A	35A	.60	.72	2.31	2.43	.42	•	•	•
1	250V	250V	35A	35A	1.47	1.27	3.27	2.85	.35	•	•	•
1½	250V		100A		2.80		13.30		.35	•	•	•
2	250V		100A		4.98		15.80		.25	•	•	•
2½	250V		100A		8.56		19.90		.26	•	•	•
3	250V		100A		12.30		26.90		.25	•	•	•
4	250V	250V	200A	200A	30.63	27.40	76.11	55.90	.25	•	•	•
5	250V	250V	200A	200A	19.53	21.73	46.59	445.10	.23	•	•	•
6	250V		200A		25.52		56.48		.24	•	•	•
7	250V		200A		65.23		113.60		.20	•	•	•
8	250V		200A		115.20		168.80		.17	•	•	•
10	250V	250V	200A	200A	209.60		293.80	286.70	.15	•	•	•
12	250V		750A							•	•	•
15	250V	250V	750A	750A	484.30	251.00	515.90	401.00	.12	•	•	•
20	250V		400A		497.00		616.00		.13	•	•	•
25	125V		1000A		830.00		1078.00		.12	•	•	•
30	125V		1000A		1220.00		1438.00		.14	•	•	•

*Approvals: U.L. Listed, Std. 248-14, Guide JDYX, File E19180; CSA Certification Class 1422-01, File 53787; U.L. Recognition, Guide JDYXZ, File E19180.

1. ¼-15A interrupt ratings were measured @ 70%-80% power factor on AC, 18-30A measured @ 85%-95% 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. I²t was measured at listed interrupting rating and rated voltage.

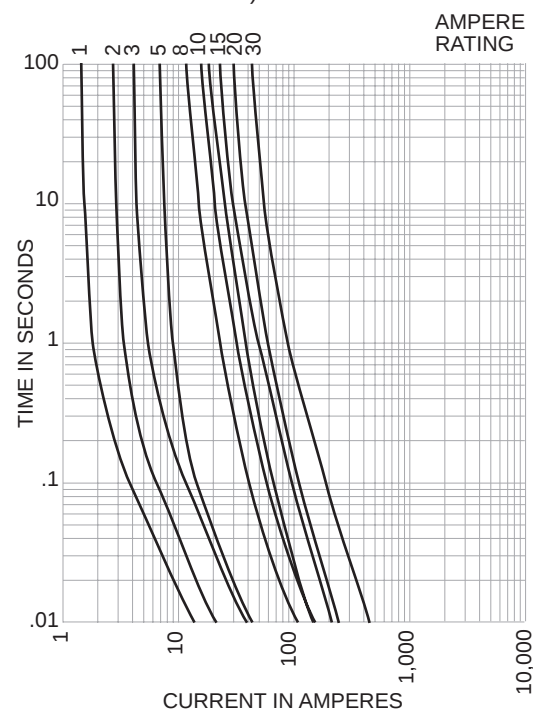
4. Interrupting rating for ABC ¼-15A @ 125V is 10000A. Interrupting rating listed corresponds to maximum rated voltage.

5. Other available sizes include ⅛, ⅜, ½, ¾, 1, 1½, 2, 3, 4, 6, 12, and 18.

6. DC ratings shown are self-certified.

7. 0-20 is UL recognized to 125 VDC and 10,000A. 25-30 is UL recognized to 125 VDC, 400A and 75 VDC, 1000A.

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



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.

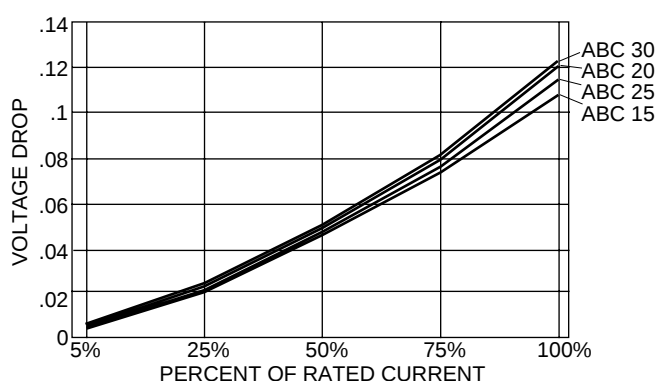
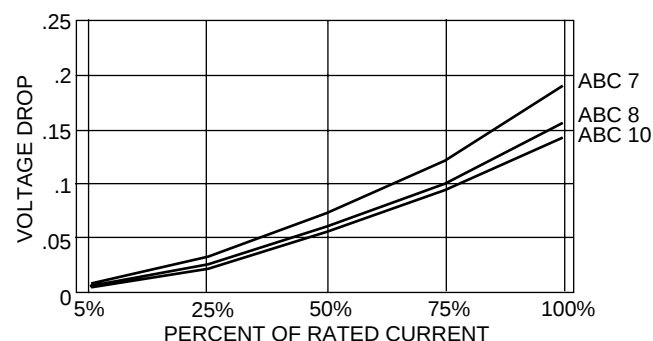
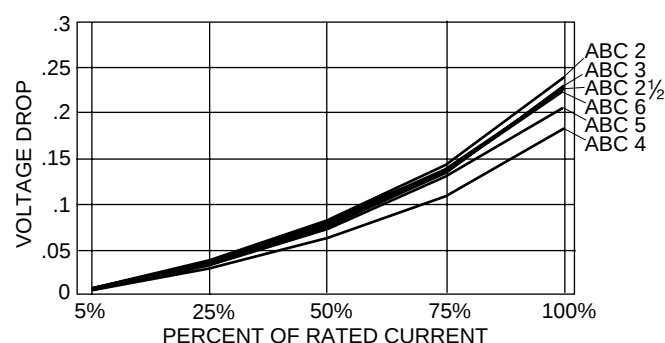
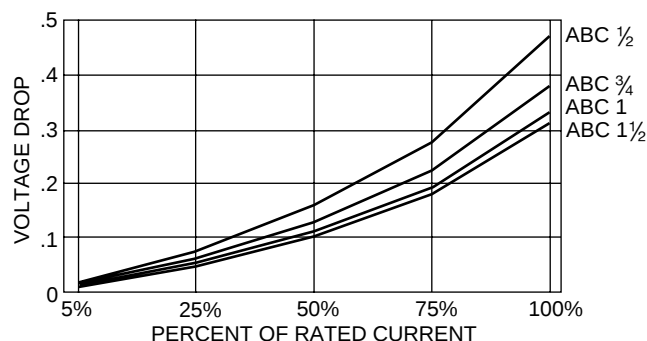
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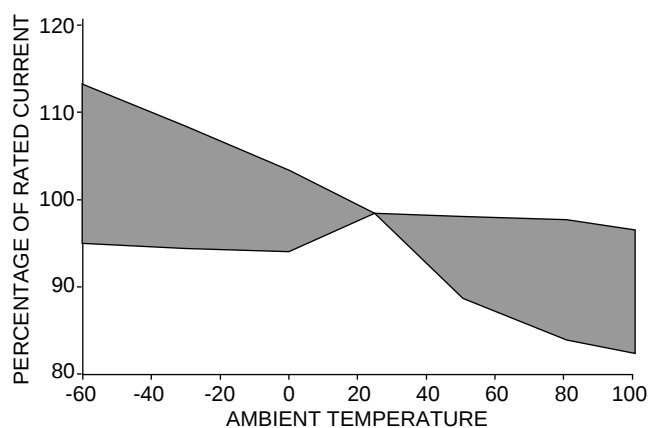
ABC
ABC-V

1.0 Typical Voltage Drop

(At 25° C Ambient Temperature)



2.0 Ambient Temperature Effect Chart (Derating Curve)



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