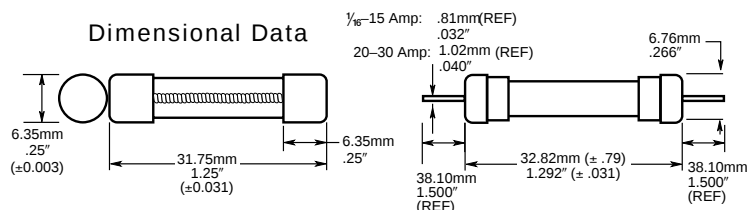


Time-Delay Glass Fuses

For ¼" × 1¼" (6.3mm × 32mm)

MDL

MDL-V



Catalog Symbol: MDL

¼" × 1¼" (3AG)

Time-Delay

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

Construction: Glass Tube,
Nickel Plated Brass Endcaps

Packaging & Ordering Information:

Package Code	MDL	—	V	—	(See Table)
Blank 5 in	Product		Lead		Rated Current
BK/ 100 in	Symbol		Blank -no lead		
			V-Axial lead		
Weight = .93 lbs/100					

Time-Current Characteristics

Rated Current	Percent of Rating		
	110%	135%	200%
1/16-30	4 hrs. (min)	60 min. (max)	120 sec. (max)

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 314-527-1270 for more information.

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 (Max.)	AC	DC ⁶	AC	DC ⁶	AC	DC ⁶		UL	CSA	CE
1/16	250V	250V	35A	35A	.21	.02	.51	3.59	5.56	•	•	•
1/10	250V	250V	35A	35A	.04	.60	.11	1.31	2.02	•	•	•
1/8	250V	250V	35A	35A	.05	.06	.06	.06	1.68	•	•	•
3/16	250V	250V	35A	35A	.08		.52		1.12	•	•	•
1/4	250V	250V	35A	35A	.08		.68		1.00	•	•	•
1/2	250V	250V	35A	35A	.43	.44	.96	.45	1.02	•	•	•
3/8	250V	250V	35A	35A	.41	.43	1.13	.66	1.48	•	•	•
1/2	250V	250V	35A	35A	.72	.83	1.86	2.00	.85	•	•	•
1/2	250V	250V	35A	35A	1.48	2.02	2.52	2.14	1.26	•	•	•
3/4	250V	250V	35A	35A	3.75	4.25	5.11	4.62	1.01	•	•	•
1	250V	250V	35A	35A	10.24	9.80	12.65	10.25	.98	•	•	•
1 1/4	250V	250V	100A	100A	10.70		21.40		.77	•	•	•
1 1/2	250V	250V	100A	100A	19.10		30.90		.74	•	•	•
2	250V	250V	100A	100A	68.60		79.70		.59	•	•	•
2 1/4	250V	250V	100A	100A	55.40		78.20		.27	•	•	•
2 1/2	250V	250V	100A	100A	63.50		77.10		.42	•	•	•
3	250V	250V	100A	100A	43.10	30.27	68.60	76.09	.35	•	•	•
4	250V	125V/32V	200A	10kA/1kA	181.90		203.50		.20	•	•	•
5	250V	125V/32V	200A	10kA/1kA	311.30		374.00		.19	•	•	•
6	250V	125V/32V	200A	10kA/1kA	368.30		427.50		.17	•	•	•
7	250V	125V/32V	200A	10kA/1kA	457.50		507.60		.15	•	•	•
8	250V	250V/125V	200A	200A/10kA	280.90	422.00	455.20	531.00	.12	•	•	•
9	32V	125V/32V	1000A	10kA/1kA	568.00		685.00		.14	•	•	•
10	32V	125V/32V	1000A	10kA/1kA	671.00		874.00		.12	•	•	•
15	32V	32V	1000A	1000A	1931.00		2296.00		.14	•	•	•
20	32V	32V	1000A	1000A	5652.00		5992.00		.05	•	•	•
25	32V	32V	1000A	1000A	15356.00		15789.00		.07	•	•	•
30	32V	32V	1000A	1000A	28033.00		28499.00		.07	•	•	•

*Approvals: U.L. Listed, Std. 248-14, Guide JDYX, File E19180; CSA Certification Class 1422-01, File 53787; 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. I²t was measured at listed interrupting rating and rated voltage.

4. Interrupting rating for MDL 1/16-8A @ 125 Vac is 10,000A. Interrupting rating listed corresponds to maximum rated voltage.

5. Other available sizes include 1/100, 1/32, 15/100, 175/100, 1/10, 6/10, 7/10, 8/10, 12/10, 15/10, 25/10, 37/10, 3 1/2, 6 1/4, 7 1/2, 12 and 17 1/2.

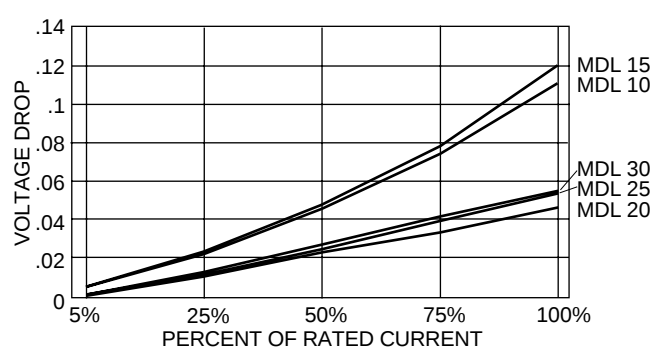
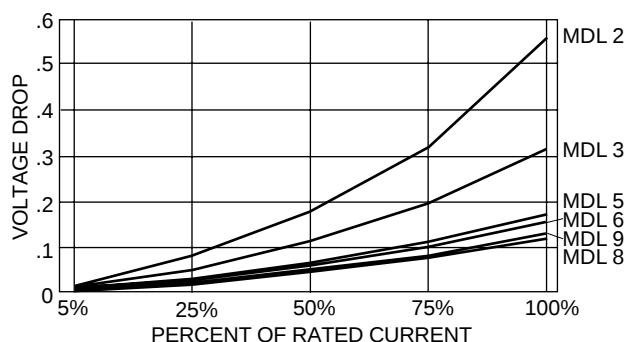
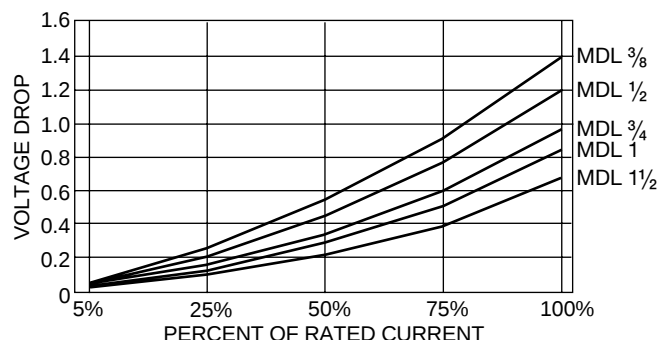
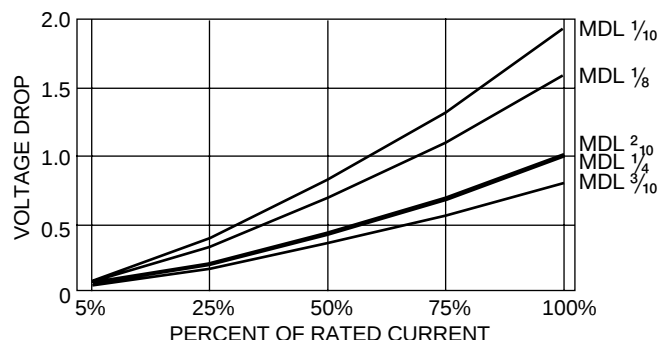
6. 1-10A, U.L. Recognized, 125 Vdc and 500 AIC. Other DC ratings are self-certified.

Time-Delay Glass Fuses

For ¼" x 1¼" (6.3mm x 32mm)

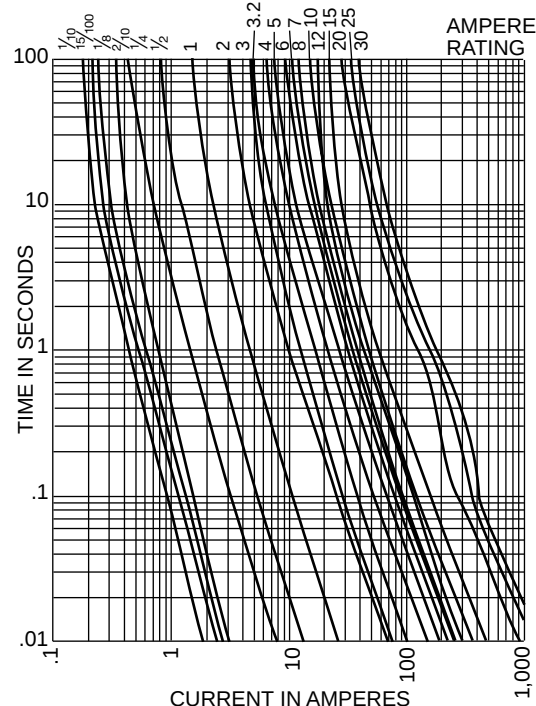
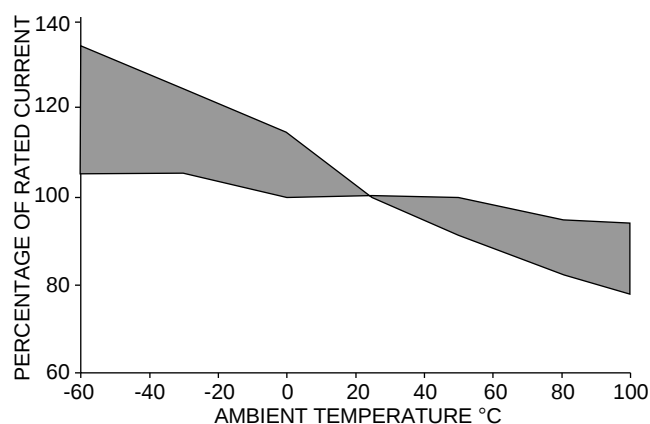
MDL
MDL-V

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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