Cutler-Hammer

January 1997
Supersedes Application Data 36-783,
dated April 1980
Mailed to: E/32-000B, 33-700B, 36-600D

Characteristic Curves for Type DSL Limiters

This envelope contains the following curves:

Curve No. 639771—DSL-206 Limiters—Average Melt Time

Curve No. 639431—DSL-416 Limiters—Average Melt Time

Curve No. 705503—DSL-632 and DSL-840 Limiters—Average Melt Time

Curve No. 639772—DSL-206 Limiters—Let-Through Current Characteristics

Curve No. 639432—DSL-416 Limiters—Let-Through Current Characteristics

Curve No. 705504—DSL-632 and DSL-840 Limiters—Let-Through Current Characteristics

Nominal Ampere Squared Second Values

Limiters for DSL-206 and DSLII-308 Breakers

Limiter Ampere Rating	$I^2t \times 10^3$	
	Melting	Clearing
150	13	67
200	24	112
250	37	166
300	54	230
400	96	383
600	314	1270
800	932	3220
1200	1330	4660
1600	2200	7000
2000	3300	9700

Limiters for DSL-416, DSL-420①, DSLII-516 and DSLII-620① Breakers

Limiter Ampere Rating	$I^2t \times 10^3$	
	Melting	Clearing
800	770	5000
1000	1270	7700
1200	1830	10700
1600	3370	18200
2000	5500	28200
2500	7900	38700
3000	13500	61700

Limiters for DSL-632, DSLII-632, DSL-840 and DSLII-840 Combinations

Limiter Ampere Rating	$I^2t \times 10^3$	
	Melting	Clearing
2500	10000	32000
3000	15500	48000
4000	32000	96000
5000	49000	142000
6000	65000	193000

① DSL-420 and DSLII-620 — use only the 3000 Limiter

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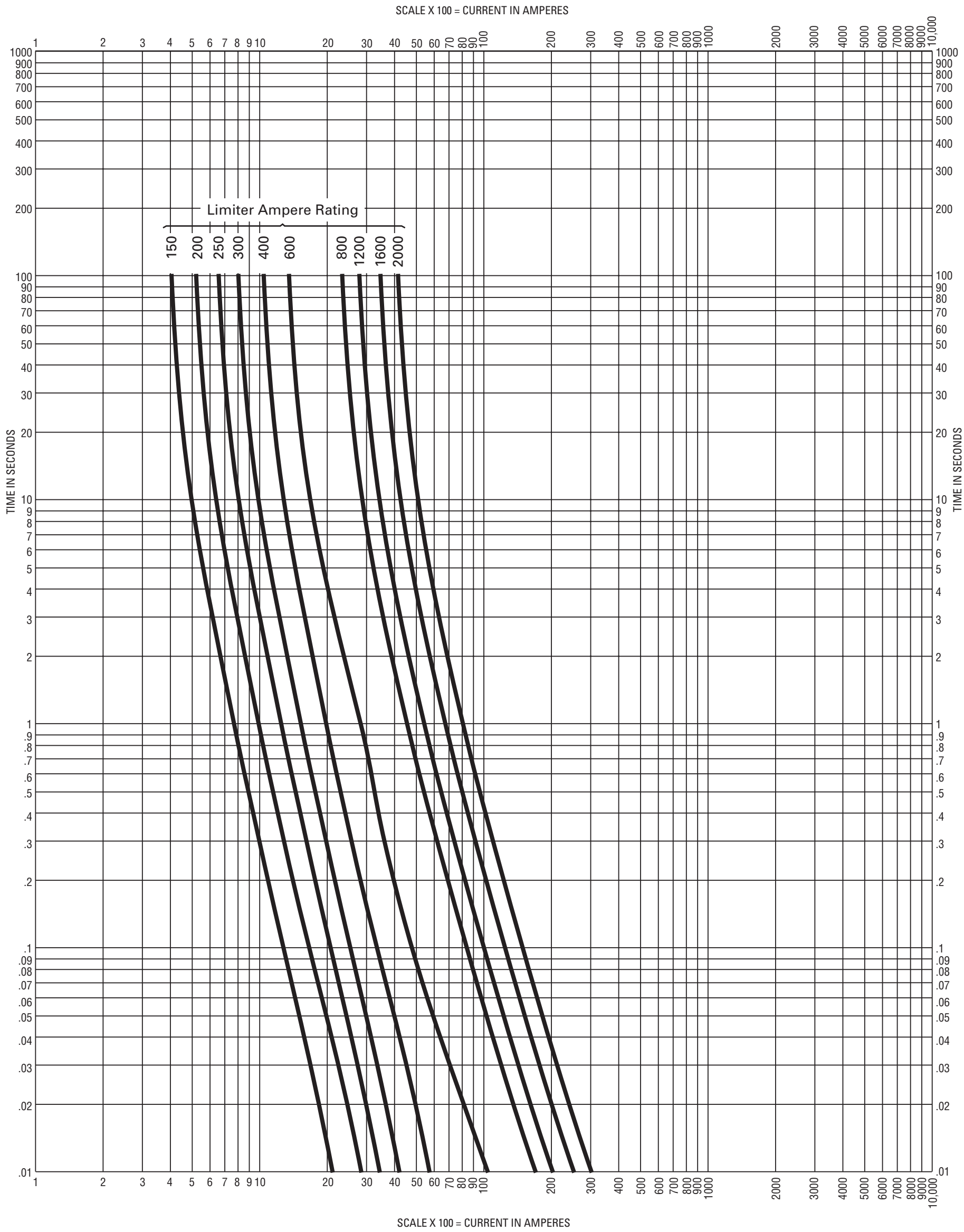

Type DSL-206 Limiters – For DSL-206 and DSLII-308 Breakers

Average Melting Time – Current Characteristics

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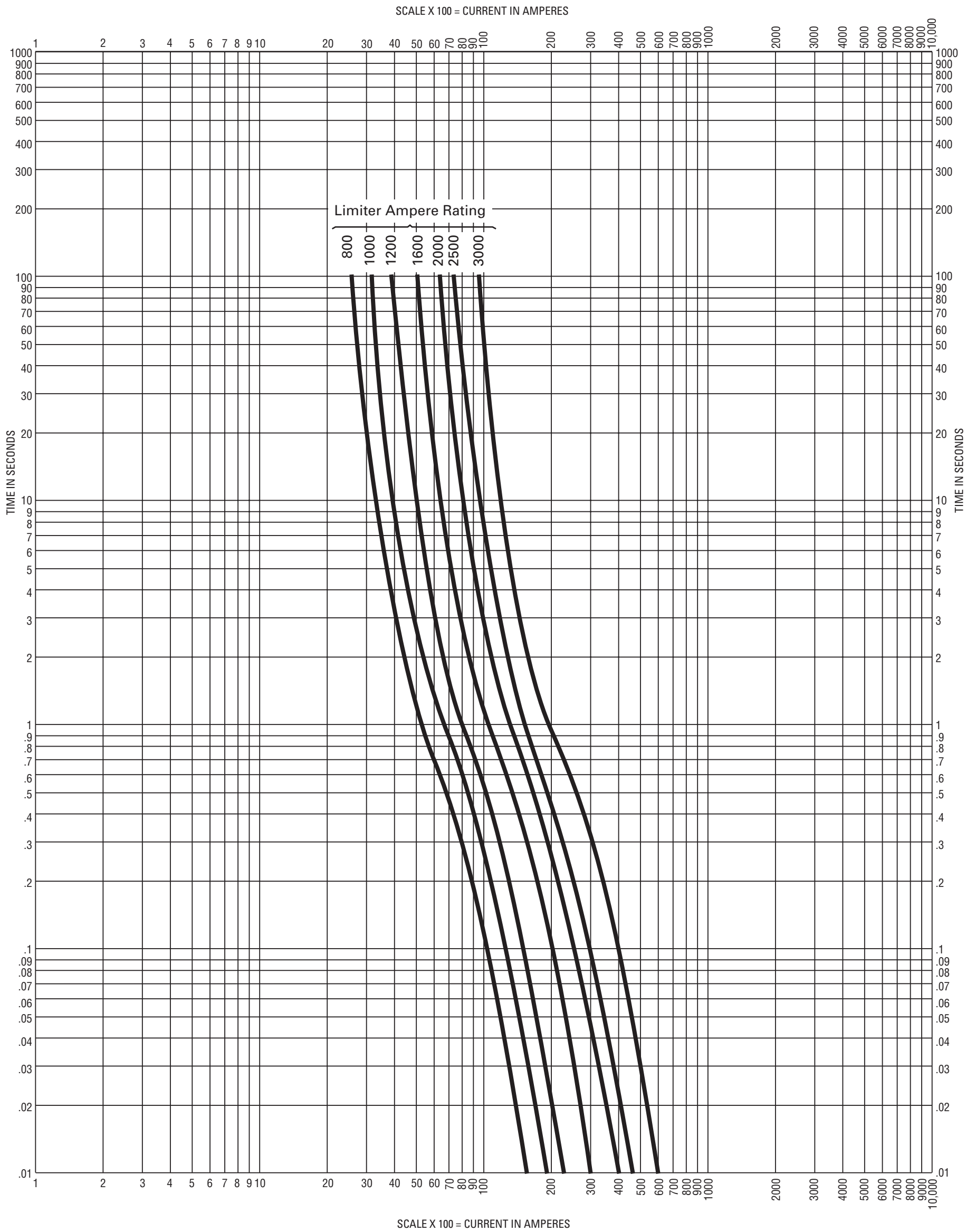
January 1997



Type DSL-416 Limiters – For DSL-416, DSLII-516, DSL-420① and DSLII-620① Breakers

Average Melting Time – Current Characteristics

① DSL-420 and DSLII-620 – use only 3000 limiter.

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Ref. Curve No. 639431
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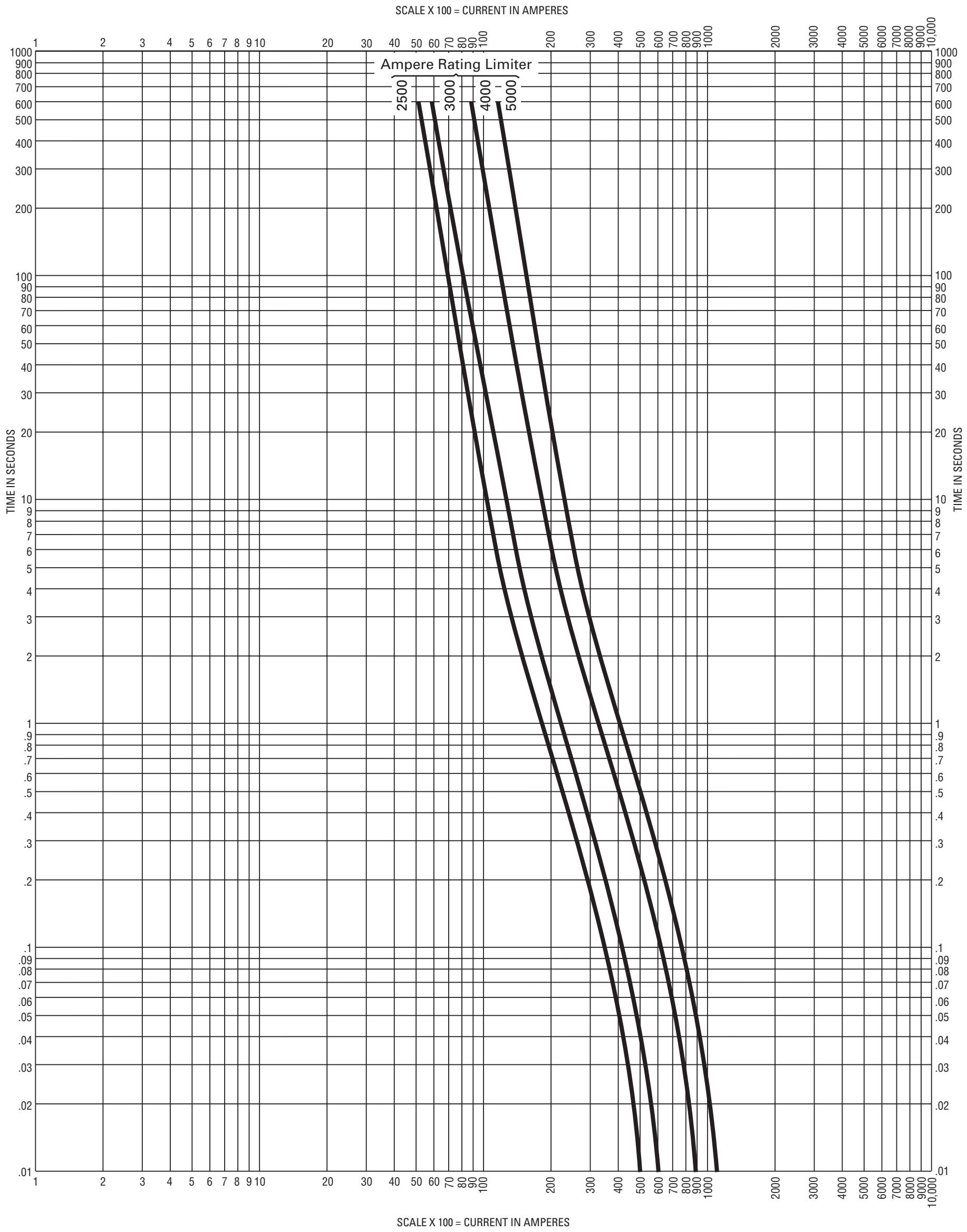

Type DSL-632 Limiters – For DSL-632 and DSLII-632 Breakers
Type DSL-840 Limiters – For DSL-840 and DSLII-840 Breakers
Average Melting Time – Current Characteristics

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Ref. Curve No. 705503
Supersedes AD 36-783
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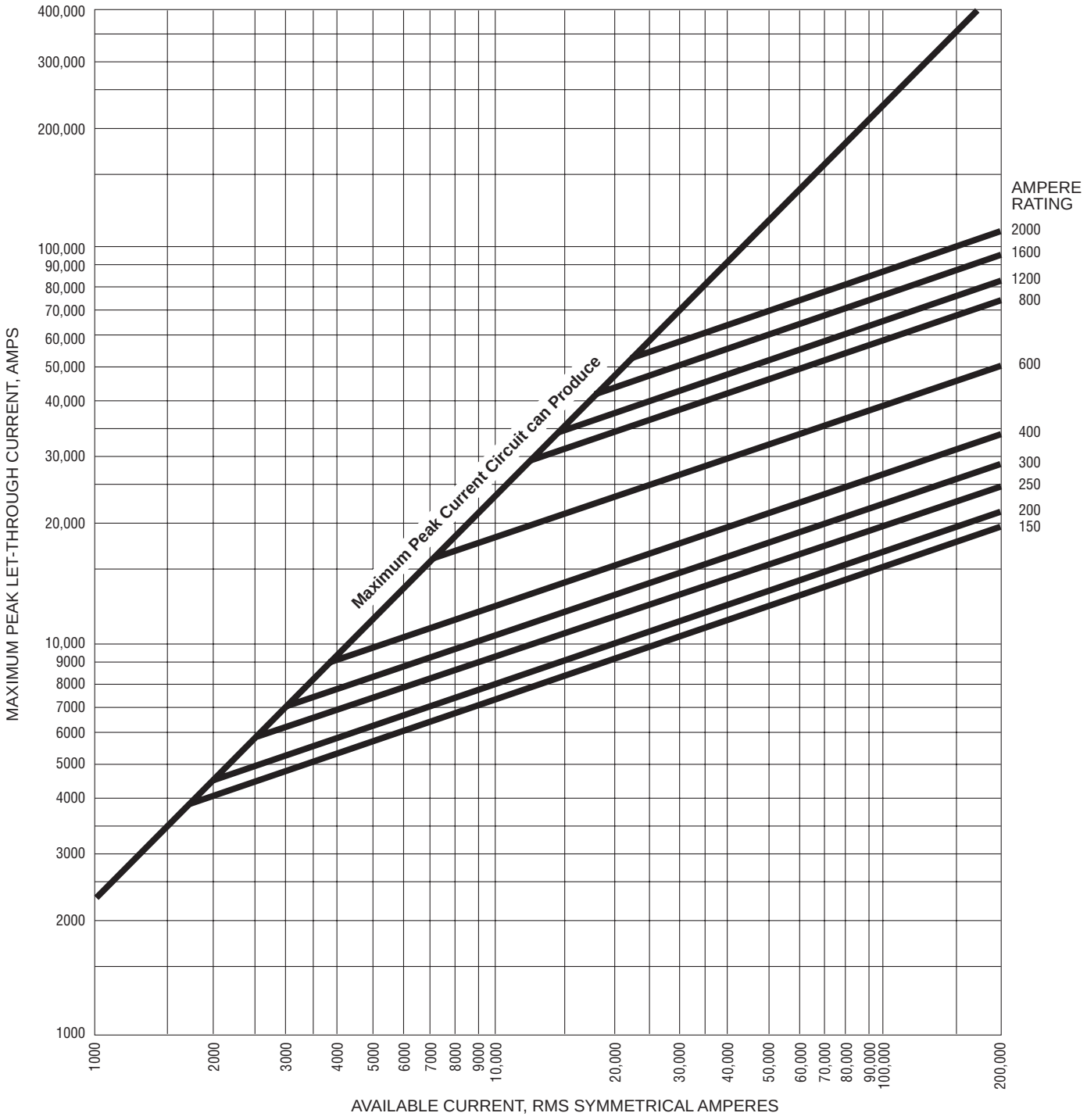

Type DSL-206 Limiters – For DSL-206 and DSLII-308 Breakers

Let-Through Characteristics

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Ref. Curve No. 639772
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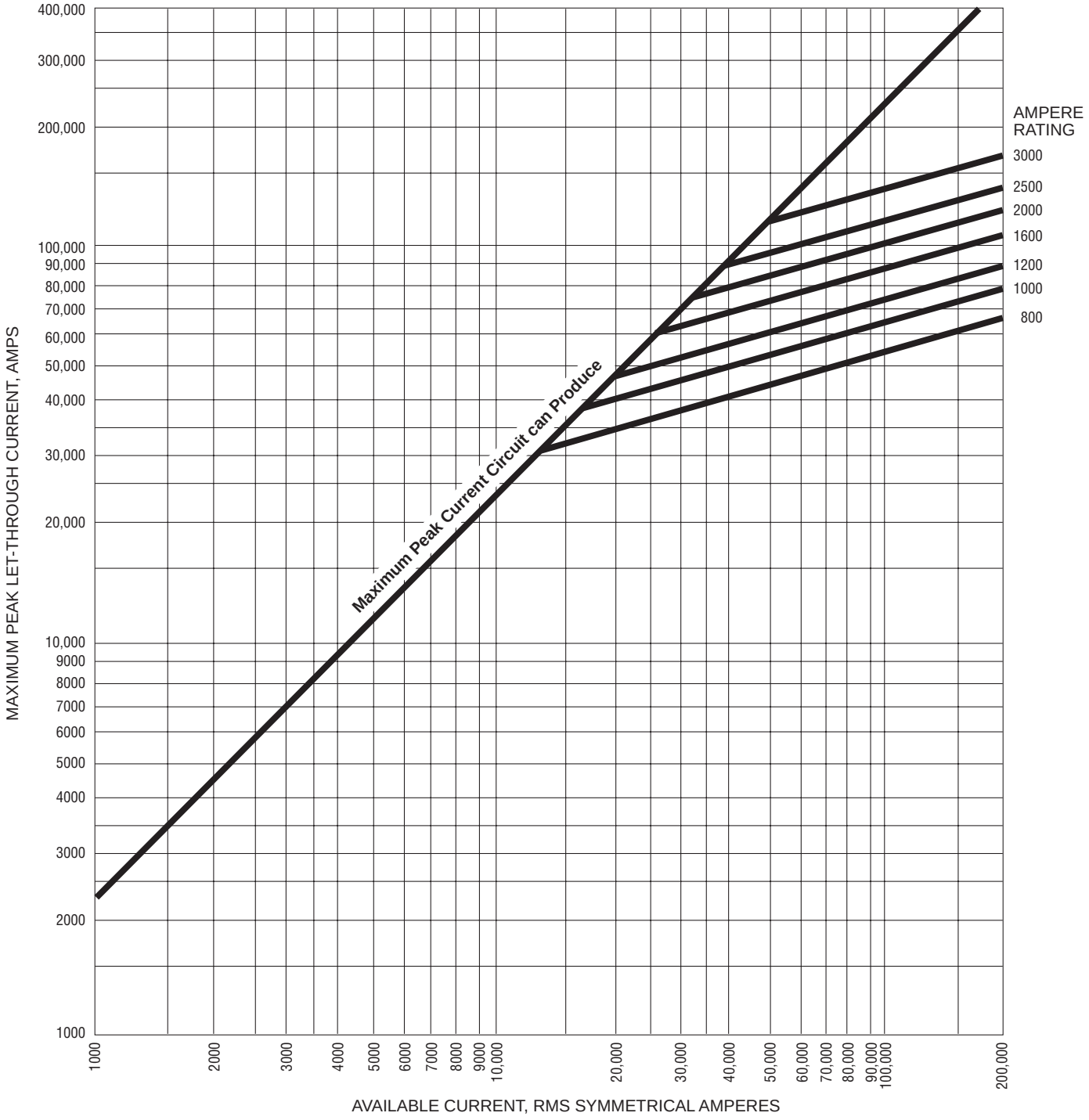
January 1997



Type DSL-416 Limiters – For DSL-416, DSLII-516, DSL-420① and DSLII-620① Breakers

Let-Through Characteristics

① DSL 420 and DSLII-620 – use only the 3000 limiter.

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Ref. Curve No. 639432
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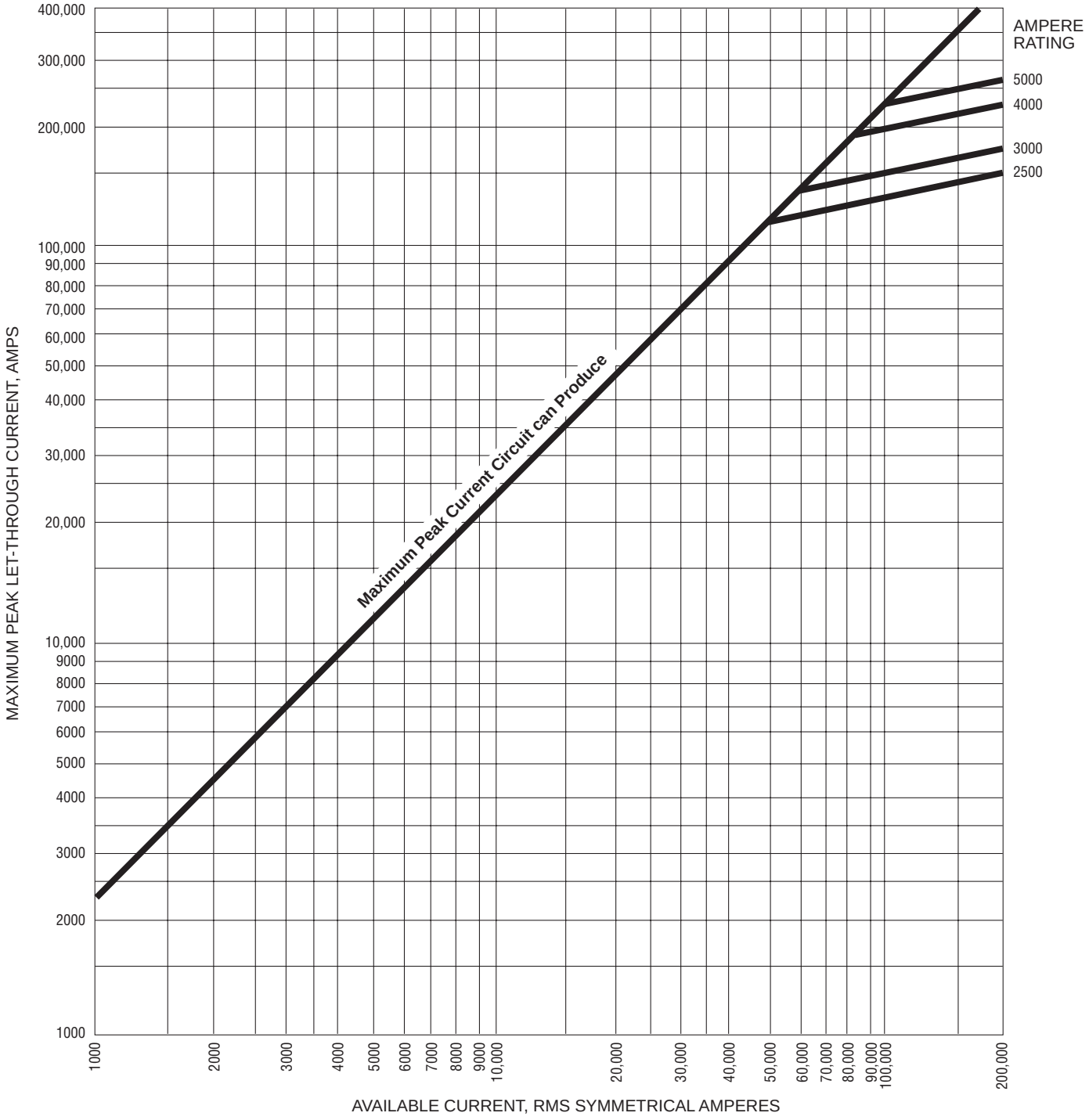

Type DSL-632 Limiters – For DSL-632 and DSLII-632 Breakers
Type DSL-840 Limiters – For DSL-840 and DSLII-840 Breakers
Let-Through Characteristics

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