

American Round Fuses Form 101 Range A120X



Semiconductor Protection Fuses

A120X Amp-trap® Form 101 Semiconductor Protection fuses, rated 1/2A through 30A, 1200VAC are popular for use in traction drive auxiliary circuits and similar applications.

A120X fuses are also suitable for use on 1000VDC auxiliary circuits with low time constants.

Features/Benefits

- 1000 Volt DC rated for wide range of circuits
- Compact size fits in where competitive sizes will not fit

Ratings

- AC: 1/2-30A
1200VAC, 100kA I.R.
- DC: 1/2-30A
1000VDC, 100kA I.R.
L/R = 10ms

Approvals

- Ferraz Shawmut Certified

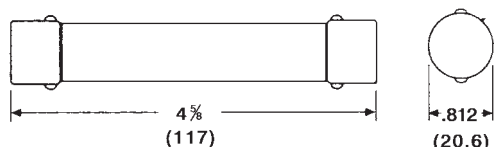
Highlights

- Fast Acting
- Current Limiting
- Low I²t
- Compact Size

Applications

- Protection of traction drive auxiliary circuits, etc.

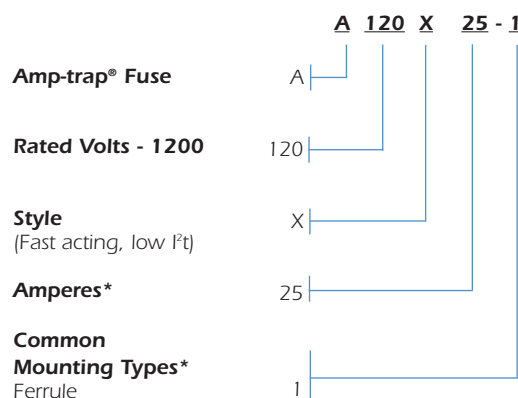
Dimensions - In (mm)



Single Pole Fuse Blocks for A120X Fuses

Fuse Ampere Rating	Fuse block	
	Catalog Number	Reference Number
1/2-30	P292	T216976

Catalog Numbering System



* For ampere ratings and types not listed, ask sales agent.

Standard Fuse Ampere Ratings, Catalog and Reference Numbers

Ampere Rating	Catalog Number	Reference Number	Ampere Rating	Catalog Number	Reference Number
1/2	A120X1/2-1	T218954	6	A120X6-1	W216380
1	A120X1-1	C218433	10	A120X10-1	K219475
2	A120X2-1	E223196	15	A120X15-1	R222678
3	A120X3-1	P211268	20	A120X20-1	M200985
4	A120X4-1	Z212818	25	A120X25-1	E202864
5	A120X5-1	J214851	30	A120X30-1	Z211783

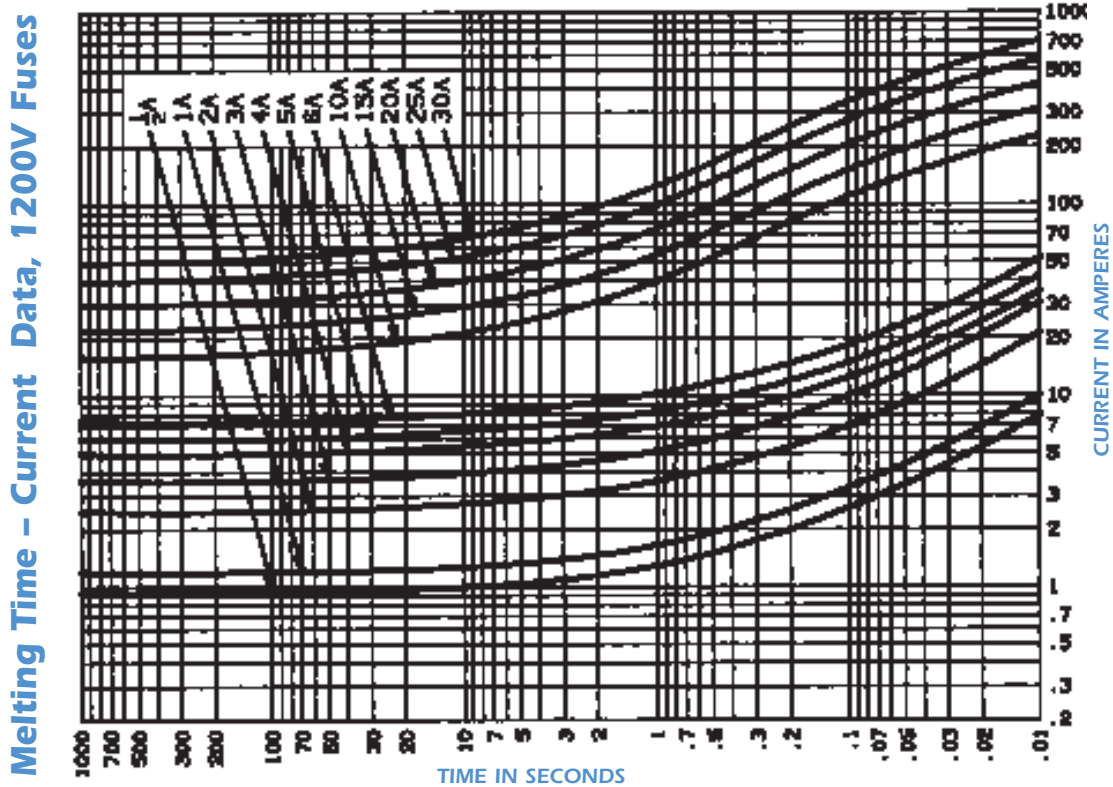
Semiconductor (AC) fuses



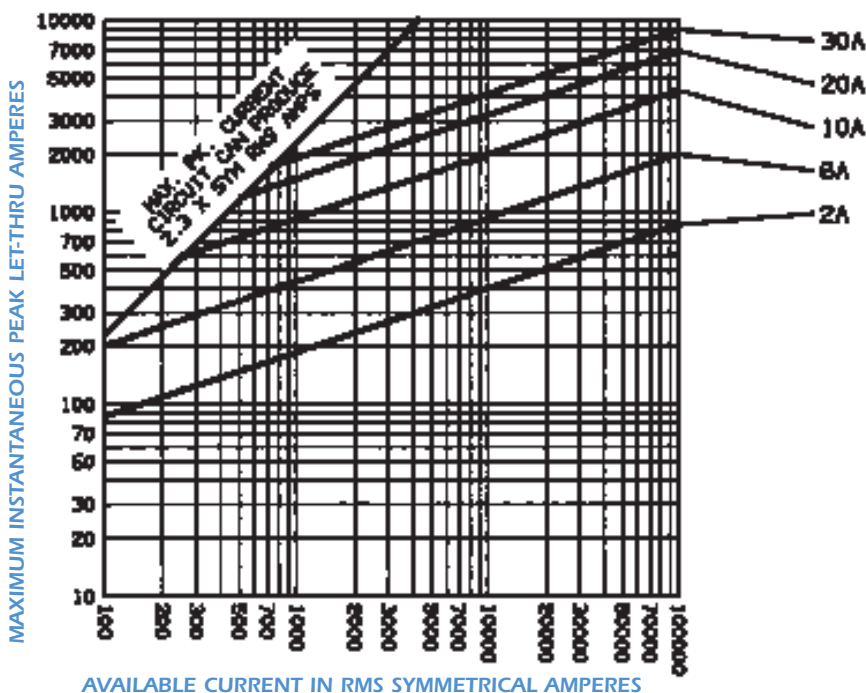
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Semiconductor Protection Fuses

A120X1/2 to 30



Peak Let-Thru Current Data - A120X2 to 30, 1200 Volts AC



I²t at 1200VAC, 100kA

Fuse Ampere Rating	I ² t data	
	Melting (A ² s)	Clearing (A ² s)
1/2	.10	1.9
1	.40	7.5
2	4.3	30
3	8.9	69
4	10	120
5	18	190
6	29	280
10	500	970
15	1100	2100
20	2000	3700
25	3100	5700
30	4400	8300