

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

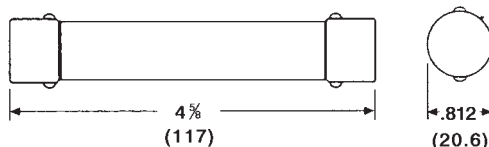
HIGHLIGHTS:

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

APPLICATIONS:

- Protection of traction drive auxiliary circuits, etc.

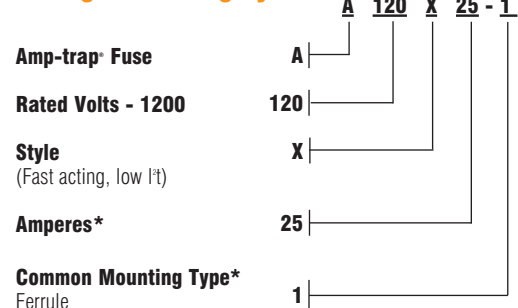
Dimensions - In (mm)



Single Pole Fuse Block for A120X Fuses

| FUSE AMPERE RATING | FUSE BLOCK CATALOG NUMBER |
|--------------------|---------------------------|
| 1/2-30 | P292 |

Catalog Numbering System



* For ampere ratings and types not listed, call Technical Services.

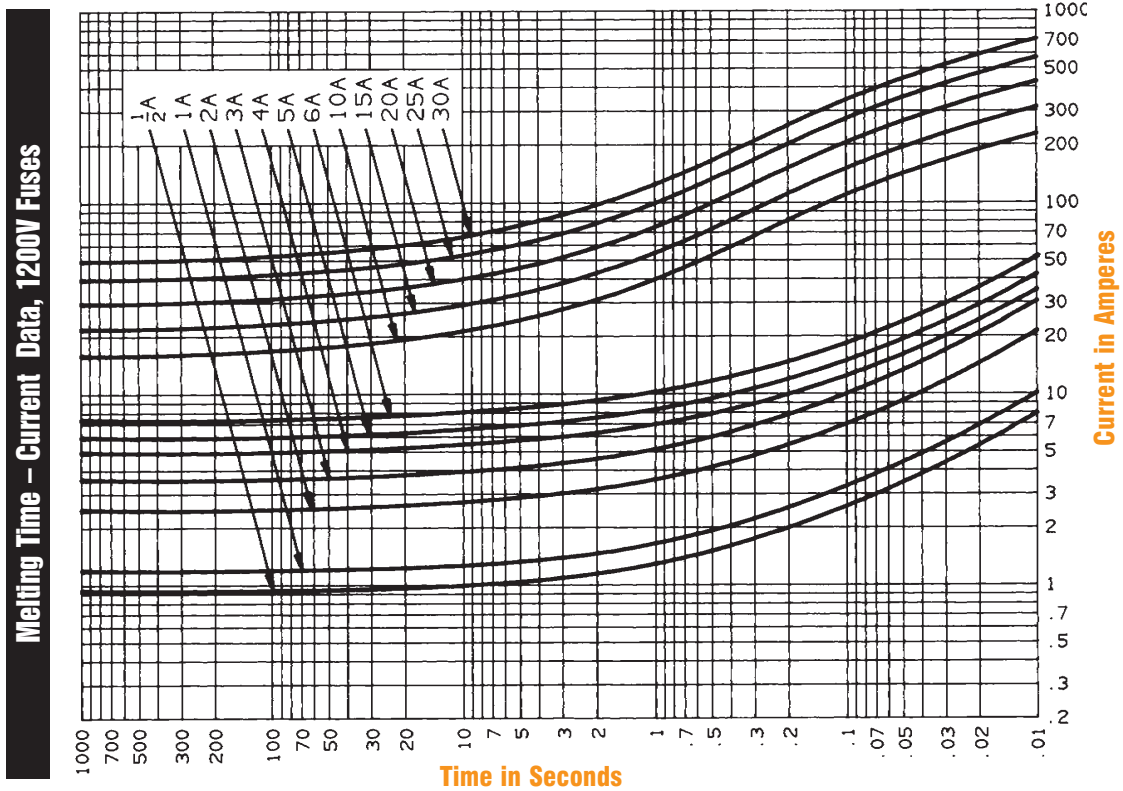
Standard Fuse Ampere Ratings Catalog Numbers

| AMPERE RATING | CATALOG NUMBER | AMPERE RATING | CATALOG NUMBER |
|---------------|----------------|---------------|----------------|
| 1/2 | A120X1/2-1 | 6 | A120X6-1 |
| 1 | A120X1-1 | 10 | A120X10-1 |
| 2 | A120X2-1 | 15 | A120X15-1 |
| 3 | A120X3-1 | 20 | A120X20-1 |
| 4 | A120X4-1 | 25 | A120X25-1 |
| 5 | A120X5-1 | 30 | A120X30-1 |

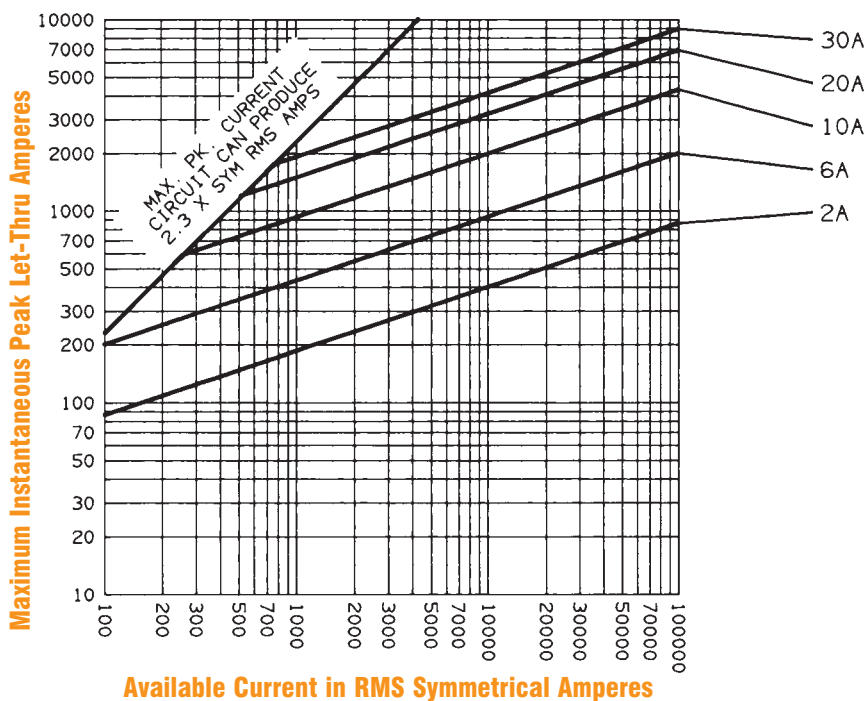
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SEMICONDUCTOR PROTECTION FUSES

A120X1/2 to 30



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



I²t Data - 1200 Volts AC, 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 |