

A100P

Amp-Trap® Form 101

HIGH SPEED FUSES



A100P Amp-Trap® Form 101 high speed fuses are rated 1000V, extending the range of protection for UPS systems, AC and DC drives, reduced voltage motor starters and similar applications where lower I²t and superior reliability are needed. With ratings from 15 through 1000 amperes, a wide range of high voltage applications can be served.

FEATURES/BENEFITS:

- Low I²t minimizes damage to protected components on short circuit
- Controlled arc voltage reduces stress to circuit components during fuse clearing
- Wide range of ampere ratings

| Catalog Numbering System | | | | | |
|--------------------------|-----------------------|----------|-----------|-------------------------------------|-------------------------------------|
| A | 100 | P | 80 | - 4 | TI |
| | | | | | |
| Amp-Trap® Fuse | Rated Volts - 1000 | Style | Amperes* | Mounting Types* | Integral Blown-Fuse Indicator |
| | | | | Ferrule: 1 Blades, bolt-in: 4 | Trigger Indicator: TI |

* For ampere ratings and styles not listed, call Technical Services at 978-465-4853.

RATINGS

- **Volts:** 1000VAC, 750VDC
- **Amps:** 15 to 1000A
- **I.R.:** 100kA I.R.
- **LR:** 25ms

HIGHLIGHTS:

- Fast acting
- Current limiting
- Low I²t
- Optional trigger indicator

APPLICATIONS:

- Protection of UPS systems AC/DC drives, reduced voltage motor starters and other 1000V or less semiconductor devices

APPROVALS:

- UL recognized component File E60314
- AC: UL guide no. JFHR2 (35-600A)
- DC: self-certified



SINGLE POLE FUSE BLOCKS FOR A100P FUSES

| Fuse Ampere Rating | Catalog No. |  |
|--------------------|-------------|---|
| 35-100 | P266G | |
| 125-400 | P266L | |

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CATALOG NUMBERS (AMPS)

| Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. |
|-------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| A100P15-1 | 1 | A100P70-4TI | 2 | A100P200-4TI | 2 | A100P500-4TI | 3 |
| A100P20-1 | 1 | A100P80-4 | 2 | A100P225-4 | 2 | A100P600-4 | 3 |
| A100P25-1 | 1 | A100P80-4TI | 2 | A100P250-4 | 2 | A100P600-4TI | 3 |
| A100P30-1 | 1 | A100P100-4 | 2 | A100P300-4 | 2 | A100P650-4 | 4 |
| A100P35-4 | 2 | A100P100-4TI | 2 | A100P300-4TI | 2 | A100P700-4 | 4 |
| A100P40-4 | 2 | A100P125-4 | 2 | A100P350-4 | 2 | A100P800-4 | 4 |
| A100P50-4 | 2 | A100P125-4TI | 2 | A100P350-4TI | 2 | A100P800-4TI | 4 |
| A100P50-4TI | 2 | A100P150-4 | 2 | A100P400-4 | 2 | A100P1000-4 | 5 |
| A100P60-4 | 2 | A100P150-4TI | 2 | A100P400-4TI | 2 | | |
| A100P60-4TI | 2 | A100P200-4 | 2 | A100P500-4 | 3 | | |

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DIMENSIONS

| Outline Ref. | Mounting Type | Fig. | Dimensions - Inches (mm) | | | | | | | | | |
|-----------------|---------------|------|--------------------------|--------|--------|-------|-------|--------|--------|--------|--------|---|
| | | | A | B | C | D | E | F | G | H | J | |
| A100P15 to 30 | 1 | 1 | 2.63 | 0.56 | - | - | - | - | - | - | - | - |
| | | | (66.8) | (14.2) | - | - | - | - | - | - | - | - |
| A100P35 to 60 | 4, 4TI | 2 | 5.00 | 1.00 | 3.50 | 4.31 | 4.19 | 0.31 | 0.75 | 0.13 | - | |
| | | | (127) | (25.4) | (88.9) | (109) | (106) | (7.9) | (19.1) | (3.3) | - | |
| A100P65 to 100 | 4, 4TI | 2 | 5.00 | 1.22 | 3.50 | 4.31 | 4.19 | 0.31 | 1.00 | 0.19 | - | |
| | | | (127) | (31.0) | (88.9) | (109) | (106) | (7.9) | (25.4) | (4.8) | - | |
| A100P125 to 200 | 4, 4TI | 2 | 5.72 | 1.50 | 3.47 | 4.78 | 4.16 | 0.41 | 1.00 | 0.25 | - | |
| | | | (145) | (38.1) | (88.1) | (121) | (106) | (10.4) | (25.4) | (6.4) | - | |
| A100P225 to 400 | 4, 4TI | 2 | 5.72 | 2.00 | 3.47 | 4.78 | 4.16 | 0.41 | 1.50 | 0.25 | - | |
| | | | (145) | (50.8) | (88.1) | (121) | (106) | (10.4) | (38.1) | (6.4) | - | |
| A100P500 to 600 | 4, 4TI | 3 | 7.72 | 2.50 | 3.47 | 5.88 | 5.56 | 0.53 | 2.00 | 0.38 | - | |
| | | | (196) | (63.5) | (88.1) | (149) | (141) | (13.5) | (50.8) | (9.7) | - | |
| A100P650 to 800 | 4, 4TI | 4 | 7.44 | 2.88 | 3.94 | 5.94 | - | 0.63 | 2.00 | 0.38 | - | |
| | | | (189) | (73.2) | (100) | (151) | - | (16.0) | (50.8) | (9.7) | - | |
| A100P1000 | 4 | 5 | 8.22 | 3.38 | 4.47 | 6.59 | 5.84 | 0.63 | 2.75 | 0.50 | 1.38 | |
| | | | (209) | (85.9) | (114) | (167) | (148) | (16.0) | (69.9) | (12.7) | (35.1) | |

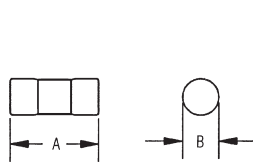


Figure 1

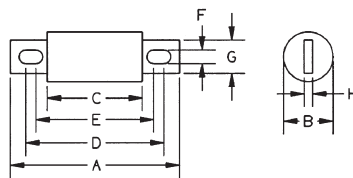


Figure 2

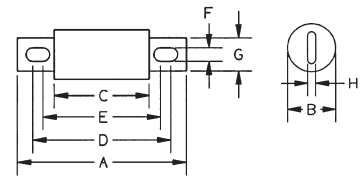


Figure 3

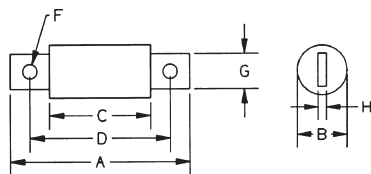


Figure 4

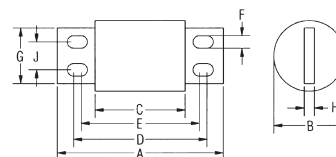


Figure 5