

A70P

Amp-Trap® Form 101

HIGH SPEED FUSES



A70P Amp-Trap® Form 101 high speed fuses were developed for higher voltage AC and DC drives, UPS systems, reduced voltage motor starters and similar applications where lower I²t and superior reliability are needed. A70P is a very popular fuse, available in a wide range of ratings. Typically used for replacement.

FEATURES/BENEFITS:

- Low I²t minimizes damage to protected components on short circuit
- Controlled arc voltage reduces stress to circuit components during fuse clearing
- Choice of mounting types helps in equipment design

Catalog Numbering System

| | | | | | |
|-------------------|----------------------|----------|------------|--|--|
| A | 70 | P | 300 | - 4 | TI |
| | | | | | |
| Amp-Trap® Fuse | Rated Volts - 700 | Style | Amperes* | Mounting Types* Ferrule: 1 Blades, bolt-in: 4 Hockey puck, bolt-in: 128 | Integral Blown-Fuse Indicator Trigger Indicator: TI Trigger Actuator: TA |

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

RATINGS

- **Volts:** 700VAC, 650VDC
- **Amps:** 10 to 1000A (AC), 10 to 800A (DC)
- **I.R.:** 100kA I.R. AC; 100kA I.R. DC
- **LR:** 10ms

HIGHLIGHTS:

- Very fast acting
- Current limiting
- Low I²t
- Indicator options available

APPLICATIONS:

- Protection of 700V or less DC drives, UPS, inverters, reduced voltage starters, etc.

*Contact technical services for application data.

APPROVALS:

- UL recognized component
UL File E60314
- AC: guide no. JFHR2 (10-1000A)
- DC: tested to UL standard 198L parameters (10-800A)



SINGLE POLE FUSE BLOCKS FOR A70P FUSES

| Fuse Ampere Rating | Catalog No. |
|--------------------|-------------|
| 10-30 (Type 1) | 70316 |
| 31-60 | P243C |
| 61-100 | P243C |
| 101-200 | P266A |
| 201-400 | P266A |
| 401-600 | P266F |
| 601-800 | 1SC375 |



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CATALOG NUMBERS (AMPS)

| Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. | Catalog No. | Dimen. Fig. |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| A70P10-1 | 1 | A70P60-4 | 3 | A70P150-4TA | 4 | A70P400-4TI | 3 |
| A70P10-4 | 2 | A70P60-4TA | 4 | A70P150-4TI | 3 | A70P450-4 | 3 |
| A70P15-1 | 1 | A70P60-4TI | 3 | A70P175-4 | 3 | A70P500-4 | 3 |
| A70P15-4 | 2 | A70P70-4 | 3 | A70P200-4 | 3 | A70P600-4 | 3 |
| A70P20-1 | 1 | A70P70-4TI | 3 | A70P200-4TA | 4 | A70P600-4TA | 4 |
| A70P25-1 | 1 | A70P80-4 | 3 | A70P200-4TI | 3 | A70P600-4TI | 3 |
| A70P25-4 | 2 | A70P80-4TA | 4 | A70P225-4 | 3 | A70P700-4 | 5 |
| A70P30-1 | 1 | A70P80-4TI | 3 | A70P250-4 | 3 | A70P700-4TI | 5 |
| A70P30-4 | 2 | A70P90-4 | 3 | A70P250-4TA | 4 | A70P800-4 | 5 |
| A70P35-4 | 3 | A70P100-4 | 3 | A70P250-4TI | 3 | A70P800-4TI | 5 |
| A70P40-4 | 3 | A70P100-4TA | 4 | A70P300-4 | 3 | A70P900-4 | 6 |
| A70P40-4TA | 4 | A70P125-4 | 3 | A70P350-4 | 3 | A70P1000-4 | 6 |
| A70P40-4TI | 3 | A70P125-4TA | 4 | A70P400-4 | 3 | | |
| A70P50-4 | 3 | A70P150-4 | 3 | A70P400-4TA | 4 | | |

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

DIMENSIONS

* Optional Trigger Actuator

| Outline Ref. | Mounting Type | Fig. | Dimensions - Inches (mm) | | | | | | | | | |
|-----------------|---------------|-------|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | | | A | B | C | D | E | F | G | H | J | |
| A70P10 to 30 | 1 | 1 | 2.00 | .56 | - | - | - | - | - | - | - | - |
| | | | {50.8} | {14.2} | - | - | - | - | - | - | - | - |
| A70P10 to 30 | 4 | 2 | 2.88 | .56 | 1.88 | 2.50 | - | .27 | .41 | - | - | |
| | | | {73.2} | {14.2} | {47.8} | {63.5} | - | {6.9} | {10.4} | - | - | |
| A70P35 to 60 | 4, 4TA*, 4TI | 3, 4* | 4.38 | 1.00 | 2.88 | 3.69 | 3.50 | .31 | .75 | .13 | - | |
| | | | {111} | {25.4} | {73.2} | {93.7} | {88.9} | {7.9} | {19.1} | {3.2} | - | |
| A70P70 to 100 | 4, 4TA*, 4TI | 3, 4* | 4.38 | 1.22 | 2.88 | 3.69 | 3.56 | .31 | 1.00 | .19 | - | |
| | | | {111} | {31.0} | {73.2} | {93.7} | {90.4} | {7.9} | {25.4} | {4.8} | - | |
| A70P125 to 200 | 4, 4TA*, 4TI | 3, 4* | 5.09 | 1.50 | 2.84 | 4.16 | 3.53 | .41 | 1.00 | .25 | - | |
| | | | {129} | {38.1} | {72.1} | {106} | {89.7} | {10.4} | {25.4} | {6.4} | - | |
| A70P225 to 400 | 4, 4TA*, 4TI | 3, 4* | 5.09 | 2.00 | 2.84 | 4.16 | 3.53 | .41 | 1.50 | .24 | - | |
| | | | {129} | {50.8} | {72.1} | {106} | {89.7} | {10.4} | {38.1} | {6.4} | - | |
| A70P450 to 600 | 4, 4TA*, 4TI | 3, 4* | 7.09 | 2.38 | 2.84 | 5.25 | 4.94 | .53 | 2.00 | .38 | - | |
| | | | {180} | {60.5} | {72.1} | {133} | {125} | {13.5} | {50.8} | {9.7} | - | |
| A70P700 to 800 | 4, 4TI | 5 | 6.81 | 2.88 | 3.31 | 5.31 | - | .63 | 2.00 | .38 | .31 | |
| | | | {173} | {73.2} | {84.1} | {135} | - | {16.0} | {50.8} | {9.7} | {7.9} | |
| A70P900 to 1000 | 4, 4TI | 6 | 7.59 | 3.50 | 3.84 | 5.97 | 5.22 | .63 | 2.75 | .50 | 1.38 | |
| | | | {193} | {88.9} | {97.5} | {152} | {133} | {16.0} | {69.9} | {12.7} | {35.1} | |

