

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 I^2t 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 I^2t 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*	Integral Blown-Fuse Indicator
				Ferrule: 1 Blades, bolt-in: 4 Hockey puck, bolt-in: 128	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 I^2t
- 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



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]

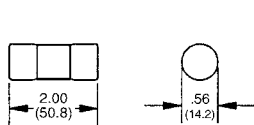


Figure 1

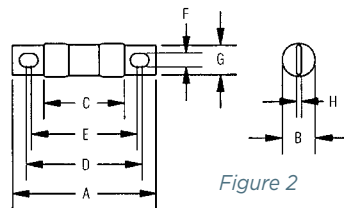


Figure 2

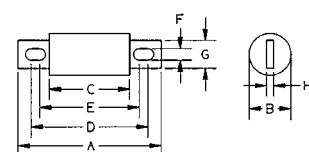


Figure 3

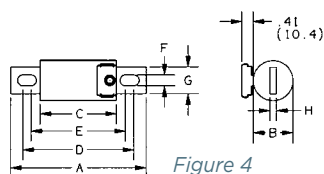


Figure 4

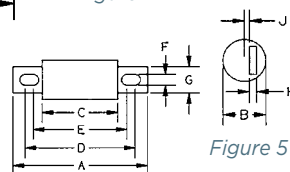


Figure 5

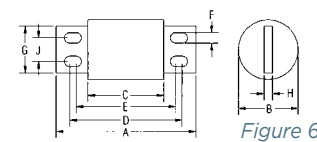


Figure 6