

A50P

Amp-Trap® Form 101

HIGH SPEED FUSES



A50P Amp-Trap Form 101 high speed fuses were developed for DC drives, uninterruptable power supplies and similar applications requiring better protection (lower I²t) and superior reliability. The A50P is 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	50	P	100	- 4	TI
Amp-Trap Fuse	Rated Voltage - 500	Style	Amperes*	Mounting Types*	Integral Blown-Fuse Indicator
				Ferrule: 1 Blades, bolt-in: 4, 4K	Trigger Indicator: TI Trigger Acuator: TA

* For ampere ratings and styles not listed, call Technical Services at 978-248-8914.

* Contact technical services for applications data.

RATINGS

- **Volts:** 500VAC, 450VDC
- **Amps:** 10 to 1200A (AC); 35 to 1000A (DC)
- **I.R.:** 100kA I.R. AC, 79kA I.R. DC
- **L/R:** 10ms

HIGHLIGHTS

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

APPLICATIONS

- Protection of DC drives, UPS and other equipment of 500 volts or less

APPROVALS/STANDARDS

- UL Recognized Component
UL File 60314
- AC: UL Guide No. JFHR2 (10-800A)
- DC: UL Guide No. JFHR2 (35-800A)



SINGLE POLE FUSE BLOCKS FOR A50P FUSES

Fuse Ampere Rating	Mounting Type	Catalog No.	
10-30	1	70316	
35-60	4	P243G	
70-200	4	P243E	
225-600	4	P266C	
700-800	4	1SC375	
900-1000	4	FH50F5*	

*(not UL)

CATALOG NUMBERS (AMPS)

Catalog No.	Dimen. Fig.	Catalog No.	Dimen. Fig.	Catalog No.	Dimen. Fig.	Catalog No.	Dimen. Fig.
A50P10-1	1	A50P125-4TI	3	A50P300-4TA	4	A50P600-4TI	3
A50P15-1	1	A50P150-4	3	A50P300-4TI	3	A50P700-4	5
A50P20-1	1	A50P150-4TI	3	A50P325-4	3	A50P700-4TA	6
A50P25-1	1	A50P175-4	3	A50P350-4	3	A50P700-4TI	5
A50P30-1	1	A50P175-4TI	3	A50P350-4K	3	A50P800-4	5
A50P35-4	2	A50P200-4	3	A50P350-4TI	3	A50P800-4TA	6
A50P40-4	2	A50P200-4TA	4	A50P400-4	3	A50P800-4TI	5
A50P50-4	2	A50P200-4TI	3	A50P400-4K	3	A50P900-4	3
A50P60-4	2	A50P225-4	3	A50P400-4TA	4	A50P1000-4	3
A50P70-4	3	A50P250-4	3	A50P400-4TI	3	A50P1000-4TI	3
A50P80-4	3	A50P250-4K	3	A50P450-4	3	A50P1200-4	3
A50P90-4	3	A50P250-4TA	4	A50P450-4TI	3	A50P1200-4TI	3
A50P100-4	3	A50P250-4TI	3	A50P500-4	3	A50P1400-4	7
A50P100-4TI	3	A50P275-4	3	A50P500-4TI	3	A50P1500-4	7
A50P125-4	3	A50P300-4	3	A50P600-4	3	A50P1600-4	7
A50P125-4TA	4	A50P300-4K	3	A50P600-4TA	4		

* For ampere ratings and styles not listed, call Technical Services at 978-248-8914.

DIMENSIONS

Catalog Number Range	Mounting Type	Fig.	Dimensions - Inches (mm)							
			A	B	C	D	E	F	G	H
A50P10 to 30	1	1	2.00 [50.8]	0.56 [14.2]	-	-	-	-	-	-
A50P35 to 60	1DS*	1	2.25 [57.2]	0.81 [20.6]	-	-	-	-	-	-
A50P35 to 60	4	2	3.19 [81.0]	0.81 [20.6]	1.63 [41.4]	2.50 [63.5]	2.25 [57.2]	0.34 [8.6]	0.72 [18.3]	0.13 [3.3]
A50P70 to 100	4	3	3.63 [92.2]	1.00 [25.4]	2.13 [54.1]	2.94 [74.7]	2.81 [71.4]	0.31 [7.9]	0.75 [19.1]	0.13 [3.3]
A50P125 to 200	4, 4TA**	3, 4**	3.63 [92.2]	1.22 [31.0]	2.13 [54.1]	2.94 [74.7]	2.81 [71.4]	0.31 [7.9]	1.00 [25.4]	0.19 [4.8]
A50P225 to 400	4, 4TA**	3, 4**	4.34 [110]	1.50 [38.1]	2.09 [53.2]	3.41 [86.6]	2.78 [70.6]	0.41 [10.4]	1.00 [25.4]	0.25 [6.4]
A50P225 to 400	4K	3	6.25 [158.8]	1.50 [38.1]	2.09 [53.2]	4.75 [120.7]	***	0.56 [14.3]	1 [25.4]	0.19 [4.7]
A50P450 to 600	4, 4TA**	3, 4**	4.47 [114]	2.00 [50.8]	2.22 [56.4]	3.53 [89.7]	2.91 [73.9]	0.41 [10.4]	1.50 [38.1]	0.25 [6.4]
A50P700 to 800	4, 4TA**	5, 6**	6.47 [164]	2.50 [63.5]	2.22 [56.4]	4.63 [118]	4.31 [109]	0.53 [13.5]	2.00 [50.8]	0.38 [9.7]
A50P900 to 1200	4	3	6.97 [177]	2.88 [73]	3.22 [81.8]	5.47 [138.9]	4.47 [113.5]	0.62 [15.8]	2.38 [60.3]	0.44 [11.1]
A50P1400 to 1600	4	7	10.22 [259.6]	4.38 [111.1]	3.22 [81.8]	8.72 [221.5]	5.22 [132.6]	1.75 [44.5]	3.5 [88.9]	0.75 [19.1]

* Use with 60306J fuse block.

** Optional Trigger Actuator (TA)

*** Mounting hole is round, diameter F.

