

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 Volts - 500	Style	Amperes*	Mounting Types* Ferrule: 1 Blades, bolt-in: 4	Integral Blown-Fuse Indicator Trigger Indicator: TI Trigger Acuator: TA

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

* 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:



- 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* <small>*(not UL)</small>



CATALOG NUMBERS (AMPS)

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

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

DIMENSIONS

Outline Ref.	Mounting Type	Fig.	Dimensions - Inches (mm)							
			A	B	C	D	E	F	G	H
A50P10 to 30	1	1	2.00	0.56	-	-	-	-	-	-
			(50.8)	(14.2)	-	-	-	-	-	-
A50P35 to 60	1DS*	1	2.25	0.81	-	-	-	-	-	-
			(57.2)	(20.6)	-	-	-	-	-	-
A50P35 to 60	4	2	3.19	0.81	1.63	2.50	2.25	0.34	0.72	0.13
			(81.0)	(20.6)	(41.4)	(63.5)	(57.2)	8.6)	(18.3)	(3.3)
A50P70 to 100	4	3	3.63	1.00	2.13	2.94	2.81	0.31	0.75	0.13
			(92.2)	(25.4)	(54.1)	(74.7)	(71.4)	(7.9)	(19.1)	(3.3)
A50P125 to 200	4, 4TA**	3, 4**	3.63	1.22	2.13	2.94	2.81	0.31	1.00	0.19
			(92.2)	(31.0)	(54.1)	(74.7)	(71.4)	(7.9)	(25.4)	(4.8)
A50P225 to 400	4, 4TA**	3, 4**	4.34	1.50	2.09	3.41	2.78	0.41	1.00	0.25
			(110)	(38.1)	(53.1)	(86.6)	(70.6)	(10.4)	(25.4)	(6.4)
A50P450 to 600	4, 4TA**	3, 4**	4.47	2.00	2.22	3.53	2.91	0.41	1.50	0.25
			(114)	(50.8)	(56.4)	(89.7)	(73.9)	(10.4)	(38.1)	(6.4)
A50P700 to 800	4, 4TA**	5, 6**	6.47	2.50	2.22	4.63	4.31	0.53	2.00	0.38
			(164)	(63.5)	(56.4)	(118)	(109)	(13.5)	(50.8)	(9.7)
A50P900 to 1200	4	3	6.97	3.00	3.22	4.97	***	0.63	2.38	0.44
			(177)	(76.2)	(81.8)	(126)	***	(16.0)	(60.5)	(11.1)

* Use with 60306J fuse block.

** Optional Trigger Actuator (TA)

*** Mounting hole is round, diameter F.

