

A50P

Amp-Trap® Form 101, 500VAC, 450VDC; 10-1600A

A50P Amp-Trap® Form 101 high speed fuses are developed for DC drives, uninterruptable power supplies and similar applications requiring better protection (lower I^2t) and superior reliability. The A50P is typically used for replacement.

FEATURES/BENEFITS: FUSE BLOCKS:

- 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

Current Rating I_n (A)	Mounting Type	Catalog No.	Poles
10-30	1	70316	1
35-60	4	P243G	1
70-200	4	P243E	1
225-600	4	P266C	1
900-1000	4	FH50F5	1
35-400	4	1SC250 or 1SCM8	1
450-800	4	1SC375 or 1SCM10	1

See Fusegear section for product details.



RATINGS:

- **AC:** 10-1200A, 500VAC, 100kA 1400-1600A, 500VAC
- **DC:** 10 to 800A, 450VDC, 79kA IR, $L/R \leq 10ms$ 900-1200A, 500VDC, 10kA IR, $L/R \leq 4ms$

APPLICATIONS:

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

APPROVALS:



- UL Recognized Component UL File 60314
- AC: 10-1200A, 500VAC
- DC: 10-800A, 450VDC 900-1200A, 500VDC

DIMENSIONS (CONT. ON NEXT PAGE):

Outline Ref.	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]	0.348[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[53.1]	3.41[86.6]	2.78[70.6]	0.41[10.4]	1.00[25.4]	0.25[6.4]
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**	3, 4**	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]

* Use with 60306J fuse block

** Optional Trigger Actuator (TA)

*** Mounting hole is round, diameter F



Figure 1

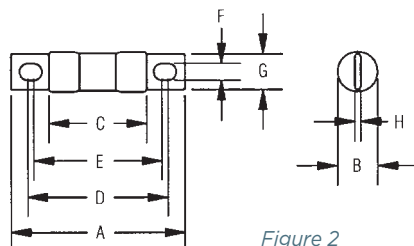


Figure 2

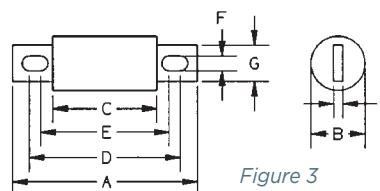


Figure 3

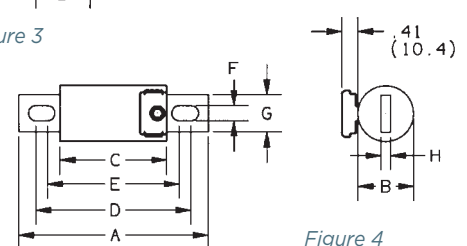


Figure 4

A50P

Amp-Trap® Form 101, 500VAC, 450VDC; 10-1600A

DIMENSIONS (CONT. FROM PREVIOUS PAGE):

Outline Ref.	Mounting Type	Fig.	Dimensions - Inches (mm)										
			A	B	C	D	E	F	G	H	J	K	L
A50P900 to 1200	4	3	6.97 [177]	3.00 [76.2]	3.22 [81.8]	4.97 [126]	***	0.63 [16.0]	2.38 [60.5]	0.44 [11.1]	-	-	-
A50P1400 to 1600	4	5	10.22 [259.6]	4.38 [111.1]	3.22 [81.8]	6.22 [158]	5.22 [132.6]	1.75 [44.5]	3.5 (88.9)	0.75 (9.1)	8.72 [221.5]	1.62 [41.2]	8.97 [227.8]

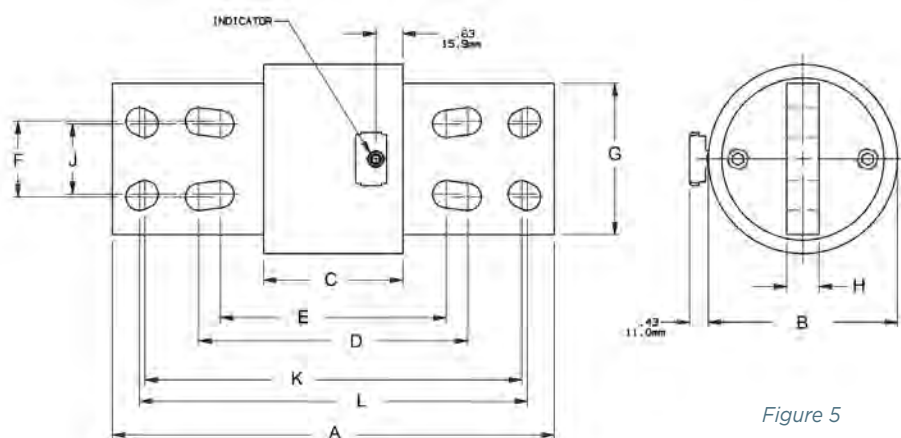


Figure 5

CATALOG NUMBERS:

Catalog No.	Current Rating I_n (A)	Dimen. Fig.
A50P10-1	10	1
A50P15-1	15	1
A50P20-1	20	1
A50P25-1	25	1
A50P30-1	30	1
A50P35-4	35	2
A50P40-4	40	2
A50P50-4	50	2
A50P60-4	60	2
A50P70-4	70	3
A50P80-4	80	3
A50P90-4	90	3
A50P100-4	100	3
A50P100-4TI	100	3
A50P125-4	125	3
A50P125-4TA	125	4
A50P125-4TI	125	3
A50P150-4	150	3
A50P150-4TI	150	3
A50P175-4	175	3
A50P175-4TI	175	3

Catalog No.	Current Rating I_n (A)	Dimen. Fig.
A50P200-4	200	3
A50P200-4TA	200	4
A50P200-4TI	200	3
A50P225-4	225	3
A50P250-4	250	3
A50P250-4TA	250	4
A50P250-4TI	250	3
A50P275-4	275	3
A50P300-4	300	3
A50P300-4TA	300	4
A50P300-4TI	300	3
A50P325-4	325	3
A50P350-4	350	3
A50P350-4TI	350	3
A50P400-4	400	3
A50P400-4TA	400	4
A50P400-4TI	400	3
A50P450-4	450	3
A50P450-4TI	450	3
A50P500-4	500	3
A50P500-4TI	500	3

Catalog No.	Current Rating I_n (A)	Dimen. Fig.
A50P600-4	600	3
A50P600-4TA	600	4
A50P600-4TI	600	3
A50P700-4	700	3
A50P700-4TA	700	4
A50P700-4TI	700	3
A50P800-4	800	3
A50P800-4TA	800	4
A50P800-4TI	800	3
A50P900-4	900	3
A50P1000-4	1000	3
A50P1000-4TI	1000	3
A50P1200-4	1200	3
A50P1200-4TI	1200	3
A50P1400-4	1400	5
A50P1400-4TA	1400	5
A50P1500-4	1500	5
A50P1600-4	1600	5
A50P1600-4TI	1600	5
A50P1600-4TA	1600	5

For ampere ratings and styles not listed, contact Technical Services at 978-465-4853 or TechnicalServices.EP@mersen.com.