A50QS

Amp-Trap® Form 101

HIGH SPEED FUSES



A50QS Amp-Trap® Form 101 fuses grew out of the need to improve the overall performance of semiconductor fuses in response to new equipment requirements. The A50QS encompasses the best protection features – lower I^2t to provide better protection for equipment, longer life when subjected to cyclic loading and lower watts loss. A50QS is today's best choice for the protection of dynamic solid state equipment such as motor drives, inverters, UPS, etc.

FEATURES/BENEFITS

- Lowest I^2t for greatest protection of semiconductor circuits
- Low watts loss for cooler operation
- Superior cycling ability gives an equipment design advantage
- State-of-the-art protection for 500V equipment
- Ultra compact sizes allow down-sizing of existing equipment

Catalog Numbering System

A	50	QS	250	- 4
Amp-Trap® Fuse	Rated Volts - 500	Style	Amperes*	Mounting Types* Blades, bolt-in: 4

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

RATINGS

- **Volts:** 500VAC / DC
- **Amps:** 35 to 60A (AC); 70 to 1200A (AC); 35 to 1200A (DC)
- **I.R.:** 200kA I.R. AC, 87kA I.R. DC; A50QS100-4: 200kA (@500VAC)

HIGHLIGHTS

- 500V AC/DC rated
- Lowest I^2t
- Low watts loss
- Superior cycling ability

APPLICATIONS

- Protection of 500V or less motor drives, UPS, inverters, etc.

APPROVALS/STANDARDS

- UL recognized component UL File 60314
- AC: UL guide no. JFHR2
- DC Tested to UL standard 198L parameters (70-1200A)
- CSA Certified LR12636

SINGLE POLE FUSE BLOCKS FOR A50QS FUSES

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



**(not UL)*

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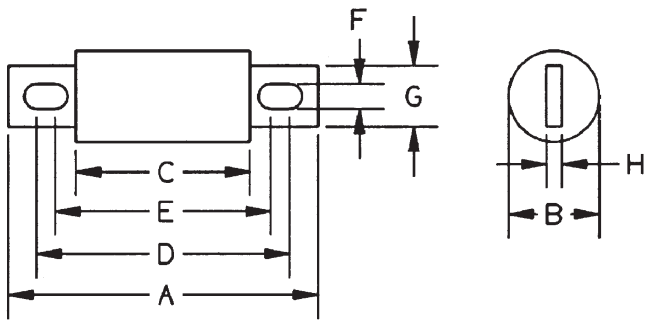
CATALOG NUMBERS (AMPS)

A50QS35-4	A50QS80-4	A50QS175-4	A50QS350-4	A50QS700-4
A50QS40-4	A50QS90-4	A50QS200-4	A50QS400-4	A50QS800-4
A50QS50-4	A50QS100-4	A50QS225-4	A50QS450-4	A50QS900-4
A50QS60-4	A50QS125-4	A50QS250-4	A50QS500-4	A50QS1000-4
A50QS70-4	A50QS150-4	A50QS300-4	A50QS600-4	A50QS1200-4

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DIMENSIONS

Catalog Number	Mounting Type	Dimensions - Inches (mm) A	B	C	D	E	F	G	H
A50QS35 to 100	4	3.63	1.00	2.13	2.94	2.75	0.31	0.75	0.13
		(92.2)	(25.4)	(54.1)	(74.7)	(69.9)	(7.9)	(19.1)	(3.3)
A50QS125 to 200	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)
A50QS225 to 400	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)
A50QS450 to 600	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)
A50QS700 to 800	4	6.47	2.38	2.22	5.00	3.44	.53	2.00	.38
		(164.3)	(60.3)	(56.4)	(127.0)	(87.3)	(13.5)	(50.8)	(9.8)
A50QS900 to 1200	4	6.97	2.88	3.22	5.47	4.47	.63	2.38	.44
		(177.0)	(76.2)	(81.8)	(138.9)	(113.5)	(15.9)	(60.3)	(11.1)



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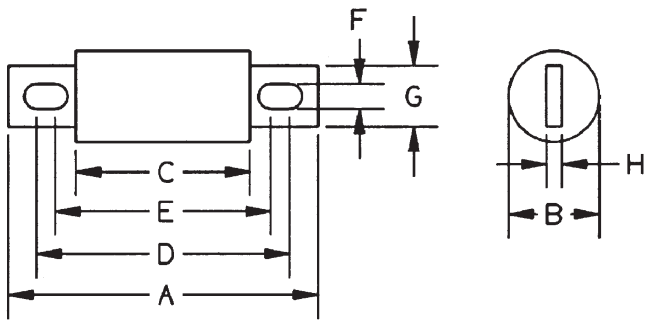
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A50QS50-4	A50QS100-4	A50QS225-4	A50QS450-4	A50QS900-4
A50QS60-4	A50QS125-4	A50QS250-4	A50QS500-4	A50QS1000-4
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