

A70QS Amp-Trap® Form 101

A70QS Amp-Trap® Semiconductor Protection fuses were developed in response to the need for improved overall performance of 700V semiconductor fuses for new equipment requirements. A70QS fuses have lower I²t for better protection, longer life when subjected to cyclic loading, plus lower watts loss. A70QS is the best choice to protect dynamic solid state equipment such as motor drives, UPS, etc.

Features/Benefits:

- Very Low I²t for improved protection of equipment
- Superior cycling ability for long, reliable life on high cyclic loading
- Low watts loss for cooler operation
- 700V AC/DC rating gives greater design versatility
- Ultra compact sizes allow down-sizing of existing equipment

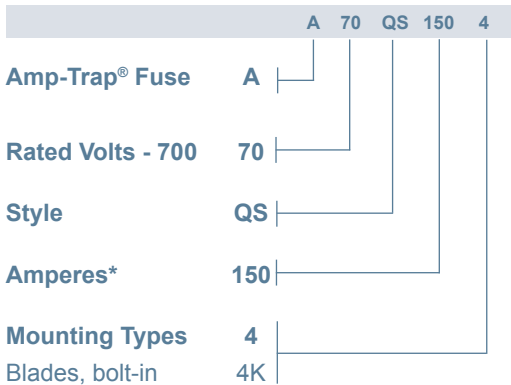
Highlights:

- 700V AC/DC rated
- Very low I²t
- Low watts loss
- Superior cycling ability
- All available with indicator (IL)

Applications:

- Protection of 700V or less motor drives, UPS, inverters, etc.

Catalog Numbering System



Single Pole Fuse Blocks for A70QS Fuses

Fuse Mounting Type	Fuse Ampere Rating	Catalog No.
A70QS-4	35-200	P243C
A70QS-4K	125-200	P266A
A70QS-4	225-600	P266A
A70QS-4K	450-600	FH70F3
A70QS-4	700-800	ISC375



Ratings:

- Volts** : 700VAC / DC
- Amps** : 35 to 800A
- I.R.** : 200kA I.R. AC
: 100kA I.R. DC
- L/R** : 10ms

Approvals:

- UL recognized component, AC/DC UL file E60314
- AC: guide no. JFHR2
- DC: tested to UL standard 198L parameters (35-800A)
- CSA certified File LR 12636



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Catalog Numbers (amps)

A70QS35-4	A70QS90-4	A70QS175-4	A70QS300-4	A70QS500-4K
A70QS40-4	A70QS100-4	A70QS175-4K	A70QS350-4	A70QS600-4
A70QS50-4	A70QS125-4	A70QS200-4	A70QS400-4	A70QS600-4K
A70QS60-4	A70QS125-4K	A70QS200-4K	A70QS450-4	A70QS700-4
A70QS70-4	A70QS150-4	A70QS225-4	A70QS450-4K	A70QS800-4
A70QS80-4	A70QS150-4K	A70QS250-4	A70QS500-4	

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

Dimensions

Outline Ref.	Mounting Type	Dimensions - Inches (mm)							
		A	B	C	D	E	F	G	H
A70QS35 to 100	4	4.38 (111)	1.00 (25.4)	2.88 (73.0)	3.69 (93.6)	3.50 (88.9)	0.31 (7.9)	0.75 (19.0)	0.13 (3.2)
A70QS125 to 200	4	4.38 (111)	1.22 (31.0)	2.88 (73.0)	3.69 (93.6)	3.56 (90.5)	0.31 (7.9)	1.00 (25.4)	0.19 (4.8)
A70QS125 to 200	4K	5.09 (129)	1.22 (31.0)	2.88 (73.0)	4.19 (106)	3.50 (88.0)	0.41 (10.3)	1.00 (25.4)	0.19 (4.8)
A70QS225 to 400	4	5.09 (129)	1.50 (38.1)	2.84 (72.2)	4.16 (106)	3.53 (89.7)	0.40 (10.3)	1.00 (25.4)	0.25 (6.4)
A70QS450 to 600	4	5.09 (129)	2.00 (50.8)	2.84 (72.2)	4.16 (106)	3.53 (89.7)	0.41 (10.3)	1.50 (38.1)	0.25 (6.4)
A70QS450 to 600	4K	7.09 (180)	2.00 (50.8)	2.84 (72.2)	6.16 (156)	3.53 (89.7)	0.53 (13.5)	1.50 (38.1)	0.25 (6.4)
A70QS700 to 800	4	7.09 (180)	2.50 (63.5)	2.84 (72.2)	5.28 (134)	4.91 (125)	0.53 (13.5)	2.00 (50.8)	0.38 (9.5)

