

QAB & HQA Quick-Action Fuses

AIRPAX

Applications: Typical applications include inverters, arc welders, rectifiers, CNC equipment, battery circuits, and other protective applications.

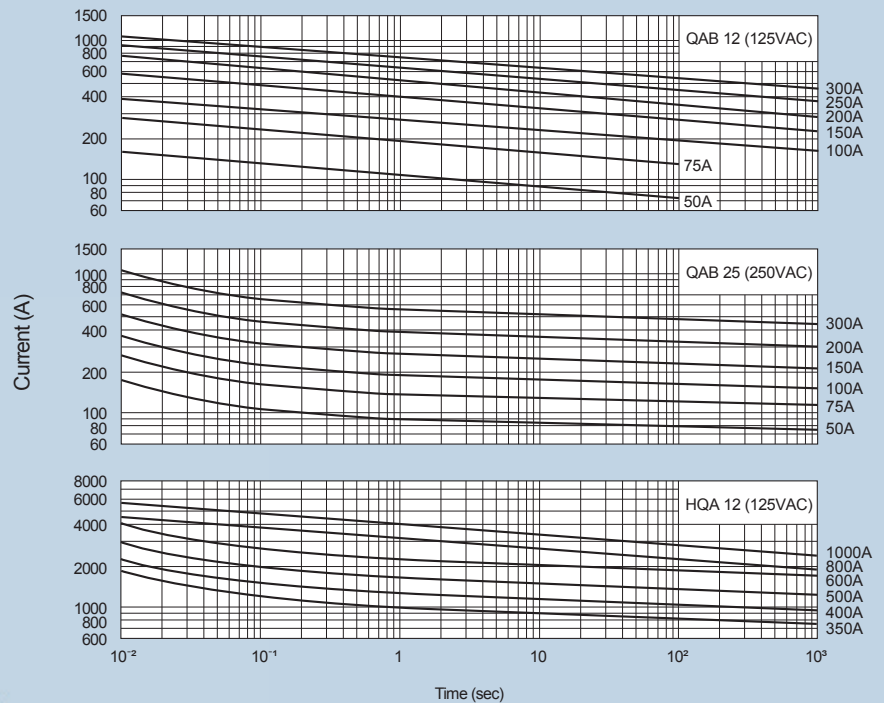


Features:

- Axial bolted tag connectors for easy installation
- Large breaking capacity (30kA)
- Low I^2t value, semiconductor protection balance can be easily obtained
- Compact and lightweight
- Resistant to repetitive currents
- Excellent current-limiting characteristics
- Low power loss

Overcurrent Protection for Semiconductor Elements and Cables

The QAB and HQA product lines feature axial bolted tag connectors and carry a rated voltage of up to 250 VAC, 1000A max, 30K AIC. They feature a high current-limiting effect and superior quick-action fusing performance, excellent arc-suppressing performance, and reliable breaking action. Because of their low power loss, they save energy and also feature low surge voltage at the breaking point. Superior non-degradation characteristics make it ideal for motors subject to extreme load variations.



Specifications:

- Rated voltage: 125-250V_{AC}
- Rated current: 50A-1000A
- Breaking capacity: 10kA-30kA at 125V_{AC} and 250 V_{AC}
- Power loss: 4W-27W
- Connecting bar: 0.034-1.085 in² (22-700 mm²)
- I^2t (A²S)X10³: Pre-arcing = .025-21 ; Operating at 125V_{AC} = .075-63 ; Operating at 250V_{AC} = .096-3.72

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Ratings & Specifications

Model	Rated Voltage	Rated Current (A)	Breaking Capacity	Power Loss			$I^2t(A^2s) \times 10^3$		External dimensions: in (mm)							Mounting Hole, Bolt Size Limit
				(W)	Connecting Bar		Pre-Arcing	Operating at V_{AC}	A	B	C	E	W	T	D	
					in ²	mm ²										
QAB12-50	125 V_{AC} rms	50	10kA	4.1	0.034	22	0.025	0.075	3.150 (80)	2.244 (57)	1.024 (26)	Ø1.102 (Ø28)	0.866 (22)	0.197 (5)	0.354 x 0.551 (9 x 14)	≤ 5/16 - 18 (≤ M9)
QAB12-75		75		5.3	0.059	38	0.073	0.22								
QAB12-100		100		9.0	0.059	38	0.14	0.42								
QAB12-150		150		10.8	0.155	100	0.34	1.02								
QAB12-200		200		14.0	0.233	150	0.56	1.68								
QAB12-250		250		18.0	0.372	240	0.81	2.43								
QAB12-300		300		18.0	0.465	300	1.0	3.00								
HQA12-350		350		18.5	0.465	300	3.6	10.8								
HQA12-400	400	18.0	0.465	300	5.5	16.5										
HQA12-500	500	22.5	0.620	400	9.0	27	4.331 (110)	2.913 (74)	1.299 (33)	Ø1.969 (Ø50)	1.654 (42)	0.315 (8)	0.354 x 0.669 (9 x 17)	≤ 5/16 - 18 (≤ M9)		
HQA12-600	600	25.2	0.620	400	18.0	54										
HQA12-800	800	27.0	0.698	450	13.0	39										
HQA12-1000	1000	27.0	1.085	700	21.0	63										
QAB25-50	250 V_{AC} rms	50	10kA	4.1	0.034	22									0.032	0.096
QAB25-75		75		6.9	0.059	38									0.078	0.23
QAB25-100		100		9.0	0.059	38	0.14	0.42								
QAB25-150		150		12.5	0.155	100	0.29	0.87								
QAB25-200		200		16.0	0.155	100	0.58	1.74								
QAB25-300		300		19.5	0.465	300	1.24	3.72	3.937 (100)	2.559 (65)	1.181 (30)	Ø1.417 (Ø36)	1.181 (30)	0.236 (6)	0.394 x 0.591 (10 x 15)	≤ 3/8 - 16 (≤ M10)

