

SSR Load Recommendation Chart

Please use this chart when selecting the SSR load. The values presented are for ambient temperatures of 40°C 104°F (30°C 86°F) and lower. When selected, please measure the load current waveform and use within the range of each surge current characteristic.

Load voltage	Product	Max. load current	Type of load						Remarks
			Heater	Solenoid bulb	Single-phase motor	Three-phase motor	Lamp	Trans former	
110 V AC	AQG (1A type)	1A	0.8A	0.5A	7W	—	0.5A	50W	
	AQG (2A type) AQ8 (2A type)	2A	1.6A	1A	15W	—	1A	100W	
	AQ1 (3A type) AQ8 (3A type)	3A	2.4A	1.5A	60W	—	1.5A	150W	
	AQ1 (10A type) AQJ (10A type)	10A	8A	5A	200W	—	5A	500W	Heat sink AQP-HS-SJ10A (AQ-J type) Heat sink AQP-HS-J10A, AQP-HS-SJ20A Heat sink AQ-HS-5A (AQ1 type)
	AQJ (15A type) AQA (15A type)	15A	12A	7.5A	300W	—	7.5A	750W	Heat sink AQP-HS-J10A, AQP-HS-SJ20A Heat sink AQP-HS-SJ10A (AQ-J type)
	AQJ (25A type) AQA (25A type)	25A	20A	12.5A	500W	—	12.5A	1.25kW	Heat sink AQP-HS-30/40A (AQ-A type) Heat sink AQP-HS-J25A (AQ-J type)
	AQA (40A type)	40A	32A	20A	750W	—	20A	2kW	Heat sink AQP-HS-J25A (AQ-A type)
220 V AC	AQG (1A type)	1A	0.8A	0.5A	15W	50W	0.5A	100W	
	AQG (2A type) AQ8 (2A type)	2A	1.6A	1A	35W	100W	1A	200W	
	AQ1 (3A type) AQ8 (3A type)	3A	2.4A	1.5A	100W	300W	1.5A	300W	
	AQ1 (10A type) AQJ (10A type)	10A	8A	5A	400W	1kW	5A	1kW	Heat sink AQP-HS-SJ10A (AQ-J type) Heat sink AQP-HS-J10A, AQP-HS-SJ20A Heat sink AQ-HS-5A (AQ1 type)
	AQJ (15A type) AQA (15A type)	15A	12A	7.5A	600W	1.5kW	7.5A	1.5kW	Heat sink AQP-HS-J10A, AQP-HS-SJ20A Heat sink AQP-HS-SJ10A (AQ-J type)
	AQJ (25A type) AQA (25A type)	25A	20A	12.5A	1kW	2.5kW	12.5A	2.5kW	Heat sink AQP-HS-30/40A (AQ-A type) Heat sink AQP-HS-J25A (AQ-J type)
	AQA (40A type)	40A	32A	20A	1.5kW	3.7kW	20A	4kW	Heat sink AQP-HS-J25A (AQ-A type)
48 V DC	AQADC (30A type)	30A	24A	15A	—	—	15A	—	Heat sink AQP-HS-SJ20A (AQ-A type)
300 V DC	AQADC (10A type)	10A	8A	5A	—	—	5A	—	Heat sink AQP-HS-J25A (AQ-A type)