

**Contactor Submittal SGC-1XQ02AAC (1.5 Pole) and SGC-2XQ02AAC (2 Pole)**

Job Name:		Location:	
Purchaser:		Engineer:	
Submitted To:		For:	
Unit Designation:		Schedule No.:	
Date:			

1. Product Description

SGC-1XQ02AAC (1.5 Pole) and SGC-2XQ02AAC (2 Pole) are definite purpose contactors that have quick connections on the 24V coil terminals and lug terminals for 120V or 208-230V main power.

2. Features

- Compact size.
- 1.5 pole (1 pole with shunt) 30 amp and 2 pole, 30 amp.
- Features lug (115V or 208-230V main power) and spade (24V) terminals.
- Conforms to ARI 780/790 standards.
- Universal galvanized mounting plates
- Brass / Copper terminals.
- cURus approved.

3. Application

These definite purpose contactors are used in HVACR applications where the control side (24V) is typically wired in series with the thermostat in the low voltage circuit and the main power (115V or 208-230V) is wired into the contactor on the L1 and L2 terminals. If the contacts on the 24V coil are energized, the magnetic coil closes the circuit from L1 to T1 and L2 to T2 (on a 2 pole contactor), thereby causing the furnace or air conditioner to turn on.



4. Technical Data Sheet

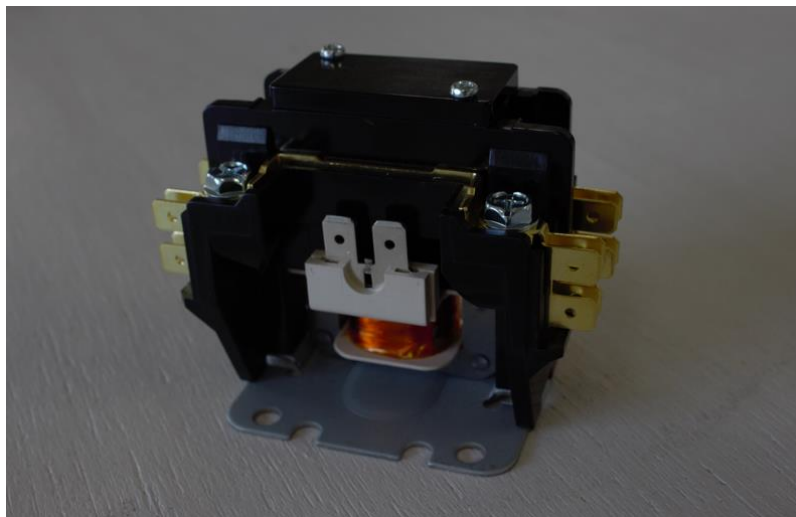
Model SGC-2XQ02AAC (2 pole) Contactor

Contact Rating Per Pole:						
Full Load Amps	Resistive Amps @ 600VAC	Locked Rotor Amps @ 240/277 VAC	Locked Rotor Amps @ 480VAC	Locked Rotor Amps @ 600VAC	Maximum Horsepower	
					Voltage	Single Phase
30	40	180	125	100	120 240	2 3

Coil Rated Voltage:
Q: 24VAC Frequency 50/60Hz
Pick-Up: During 75%~110% coil rated voltage should pick up reliably
Drop-Out: During 20%~70% coil rated voltage should drop out reliably

Dielectric strength:
Between the poles and metal base: 2500V/1S
Between the poles: 2500V/1S
Between open contacts: 2500V/1S
Between the coil and contactor terminal : 2500V/1S
Between the coil and metal base: 2500V/1S

Mechanical life cycles: 1×10^6 cycles
Electrical life cycles: 1×10^5 cycles
Conform to GB/T14048.4 , UL60947-4-1 , IEC60947-4-1
Mark Approved by UL & RoHS
UL : E473214



1.5 Pole Contactor