SPECIAL PURPOSE VACUUM CONTACTOR

SVC Series



Joslyn Clark is recognized as the premier supplier of vacuum contactors by the leading switchgear and Variable Frequency Drive manufacturers.

The 12kV 630 Amp Vacuum Contactor provides long service life and a wide voltage range to effectively control medium voltage motors, transformers, reactive compensation capacitors, and other heavy duty equipment.

The 12kV SVC Series features an anti-surge impulse for single or back-to-back capacitor switching for improved operation.

This series delivers the reliability and the ruggedness needed for demanding industries, including metallurgy, mining, electrical, petro-chemical, and ports.

Designed to Standards
IEC 60470 | GB/T 14808 | GB 11022

Features

- High Current Capacity
- 3-Phase synchronization ≤2ms
- Long product life
- Mechanically latched, electriclly held



SPECIAL PURPOSE VACUUM CONTACTOR
SVC Series

Catalog Numbers	SVC77U034A120-**	SVC77U036A120-**

Power Ratings Enclosed		
Rated Insulating & Operating Voltage	12,000V	
Rated Operational Current	400A	630A
Rated Frequency	50-60Hz	
Making Current	4,000A	6,300A
Breaking Current	4,000A	6.300A
Dielectric Strength / B.I.L.	4,200V (1 minute per interrupter) / 75kV	
Short Time Withstand Current (4s)	4,000A	6,300A
Single Capacitor Switching Capacity	3,500 KVAR	
Impulse Withstand Voltage Uimp	75,000V	
Mechanical Life - No Load	300,000 cycles	
Electrical Life at Rated Current (AC3 Duty)	200,000 cycles	
Switching Frequency	100 cycles per hour	
Operating Range at Rated Voltage	+10% -20%	
Average Opening Time (Drop out)	80ms	
Average Closing Time (Pick up)	80ms	
Average Drop-out at Rated Voltage	≤50%	
Chopping Current	3A	
Closing Power	1200VA Average	
Holding Power	50VA Average	

Application Ratings	
Altitude	Up to 6,500 ft. (1,981 m)
Operating Temperature Range	5°F (-15°C) +104°F (40°C)
Relative Humidity	90% (at 77°F)
Weight	81 lbs. (36.74 kg)

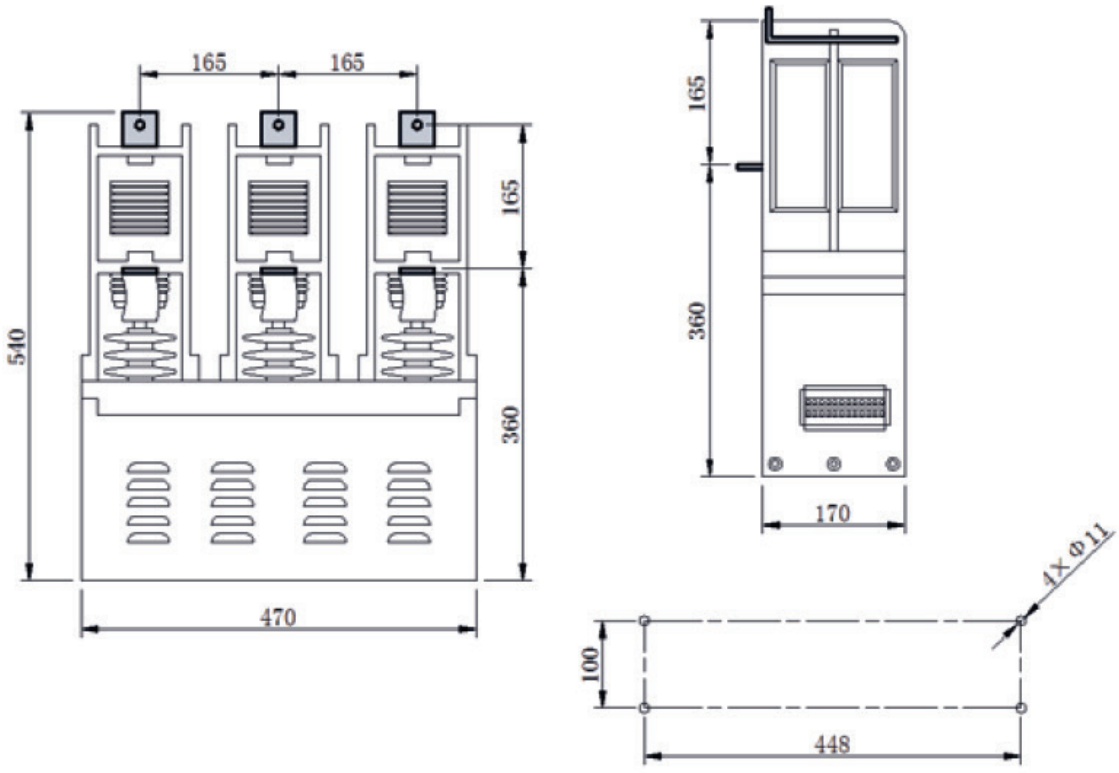
Coil Voltages

Suffix	Coil Voltage
-11	110VAC 50/60Hz
-22	220VAC 50/60Hz

Motor HP/KW AC3

Voltage	400A	630A
10,000V	6,000/4,950	10,000/7,850
11,000V	7,000/5,450	11,000/8,600
12,000V	8,000/5,950	12,000/9400

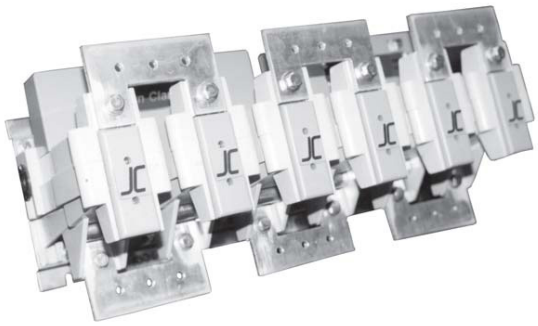
** Coil Voltage



SPECIAL PURPOSE VACUUM CONTACTOR
SVC Series



VC Series Framework



MVC Series Framework

VC Series Framework

Voltage	1,500V Open Type	3,600V Open Type

1 Pole, Single Phase

Ampere Rating	Catalog Numbers	
450A	SVC77U014515-**	SVC77U014536-**
1,000A	SVC77U011015-**	SVC77U011036-**
1,500A	SVC77U011515-**	SVC77U011536-**
2,500A	SVC77U012515-**	SVC77U012536-**

2 Pole, Single Phase

Ampere Rating	Catalog Numbers	
450A	SVC77U024515-**	SVC77U024536-**
1,000A	SVC77U021015-**	SVC77U021036-**
1,500A	SVC77U021515-**	SVC77U021536-**

3 Pole, Three Phase

Ampere Rating	Catalog Numbers	
1,000A	SVC77U031015-**	SVC77U031036-**

** Coil Voltage

Coil Voltages

Suffix	Coil Voltage
-76	120VAC 50/60Hz
-26	240VAC 50/60Hz

MVC Series Framework

Voltage	2,500V Open Type	5,000V Open Type	7,200V Open Type

1 Pole, Single Phase

Ampere Rating	Catalog Numbers		
1,000A	SVC77U011025-**	SVC77U011050-**	SVC77U011072-**
1,500A	SVC77U011525-**	SVC77U011550-**	SVC77U011572-**
2,000A	SVC77U012025-**	SVC77U012050-**	SVC77U012072-**
3,000A	SVC77U013025-**	SVC77U013050-**	SVC77U013072-**

2 Pole, Single Phase

Ampere Rating	Catalog Numbers		
200A	SVC77U022A25-**	SVC77U022A50-**	SVC77U022A72-**
400A	SVC77U024A25-**	SVC77U024A50-**	SVC77U024A72-**
600A	SVC77U026A25-**	SVC77U026A50-**	SVC77U026A72-**
1,000A	SVC77U021025-**	SVC77U021050-**	SVC77U021072-**
1,500A	SVC77U021525-**	SVC77U021550-**	SVC77U021572-**

3 Pole, Three Phase

Ampere Rating	Catalog Numbers		
800A	SVC77U038A25-**	SVC77U038A50-**	SVC77U038A72-**
1200A	SVC77U031225-**	SVC77U031250-**	SVC77U031272-**

** Coil Voltage