



## 7.2KV 800A VACUUM CONTACTORS

The Joslyn Clark SVC Series of medium voltage vacuum contactors are specially designed to meet the grueling switching demands in the harshest of environments.



The 7.2kV/800A design can accommodate high current applications such as electric-arc and induction furnaces. This three-phase, non-latching vacuum contactor can also be used in a wide range of power systems, such as transformer and capacitor loads, with a rated voltage of up to 7.2kV. Control power for this contactor comes standard in either 120VAC or 240VAC and uses a proven electromagnetic system to actuate and hold closed the vacuum interrupter's contacts. The 800A SVC Series vacuum contactor is manufactured in the United States and provides the same level of safety and reliability that Joslyn Clark has provided for nearly 100 years.

JOSLYN CLARK VACUUM CONTACTORS

## Specifications Overview

- Proven technology
- Rugged design
- Front Accessible
- Self-adjusting power contacts
- Long life

### Power Application Ratings<sup>1</sup>

Operating Voltage	Three Phase Transformer Load kVA	Three Phase Capacitor Load kVAR
2.5kV	2750	2100
3.3kV	3600	2700
4.16kV	4600	3400
6.6kV	7300	4800

### Coil Voltage<sup>2</sup>

Catalog Suffix	Rating
-76	120V AC
-26	240C AC

#### Notes:

1. Not recommended for motor load applications.
2. Consult factory for custom coil voltages.

Catalog Numbers	SVC77U038A25-XX	SVC77U038A50-XX	SVC77U038A72-XX
Rated Operating Voltage	2,500V	5,000V	7,200V
<b>Power:</b>			
Rated Operating Current	800A		
Rated Operating Frequency	50/60 Hz		
Switching Frequency	300 Cycles/Hr.		
Elect. Life at Rated Current	250,000 Cycles		
Mechanical Life - No Load	750,000 Cycles		
Dielectric Strength	20kV (1 min)		
Impulse Withstand (BIL)	60kV		
Maximum Interrupting Current	4.62kA		
Short Circuit Withstand at Rated Voltage	4.62kA		
Short Time Current Rating Capability	12kA (1 second), 4.8kA (30 seconds)		
Make & Break Capability at Rated Voltage	4kA		
Max Chop Current	0.9A		
<b>Control:</b>			
Operating Range (of Rated Voltage)	+10% / -15%		
Average Opening Time	90ms		
Average Closing Time	40ms		
Minimum Pick-Up (of Rated Voltage)	< / = 85%		
Maximum Pick-Up (of Rated Voltage)	< / = 70%		
Recommended Control Transformer	600VA Min.		
Auxiliary Contact Configuration	4NO & 4NC (8NO & 8NC optional)		
Auxiliary Contact Voltage Ratings	600V Max, 48V Min - A600 (AC), Q600 (DC)		
Auxiliary Contact Current Ratings	Continuous, AC/DC 10A/2.5A		
Auxiliary Contact Make/Break AC	7200VA / 720VA		
Auxiliary Contact Make/Break DC	69W		
<b>Conditions:</b>			
Mounting Installation	All Planes (Contactor Only)		
Altitude (Without Derating)	6,600ft (2,000m)		
Operating Temperature Range	32F-122F (0C-50C)		
Vibration / Shock	40Hz - 2G. / 30G.		
Weight	96 lbs (43.54 kg)		

## Outline Drawings

