

MV CONTACTORS



"SL" MEDIUM VOLTAGE VACUUM CONTACTORS

- Highest Ratings
- Longest Life
- Meets Global Standards
- Field Adjustable



Cutler-Hammer

EAT•N

"SL" Medium Voltage Vacuum Contactors

Cutler-Hammer Leads the Way...Again!

The "SL" is a new family of medium voltage vacuum contactors designed and engineered specifically for the OEM...from the technological world leader in vacuum interrupters and contactors. "SL" Contactors are perfect for OEMs because they combine the highest ratings available in a cost-saving, reduced-size package that's lighter and easier to install.

"SL" Contactors are ideal for full and reduced voltage starting of squirrel-cage induction, wound-rotor, and synchronous motors. Other applications include power and capacitor switching. They're especially recommended for heavy duty applications and harsh environments found in many industries including mining, pulp and paper, HVAC, petrochemical, and automotive.

Longest Contactor Life*

- No adjustment or replacement of vacuum interrupters is required to achieve 300,000 electrical operations.
- Fewer moving parts enhance longevity and reliability while decreasing maintenance, resulting in a mechanical life of 2.5 million operations.

Field-Adjustable Settings*

Provides for optimum coordination between "SL" and fuses, and enables the installer to adjust to specific motor protection requirements and make last minute changes to standard units.



"SL" Contactor is field selectable for any of these voltages or times:

- | | |
|-------------------------|------------------------|
| Control Voltages | ■ 110, 220V AC, 50 Hz. |
| | ■ 120, 240V AC, 60 Hz. |
| | ■ 125V DC. |
| Dropout Times | ■ 30 mS – 50 mS. |
| | ■ 50 mS – 70 mS. |
| | ■ 130 mS – 170 mS. |
| | ■ 210 mS – 250 mS. |

Field-Installable Kits Provide Added Flexibility

- Auxiliary Contact Kits provide for up to six extra auxiliary contacts.
- Mechanical Latch Kits available in many coil voltages with a wide range of AC and DC selections.
- Mechanical Interlock Kit prevents unintentional energizing.

Kits are for "SL" sizes 160A – 400A.

A factory-installed mechanical latch option is available for the 800A "SL"

Reliable Operation at Any Altitude*

- Low altitude rating of -3500 to -1001 meters.
- Standard altitude rating of -1000 to +2000 meters.
- High altitude rating of +2001 to +4000 meters.

Highest Ratings of Any 7200V Contactor in the Industry

- 160A, 200A, 360A → 4500A interrupting rating.
- 400A → 8500A interrupting rating.
- 800A → 13,200A interrupting rating.

Easy Installation*

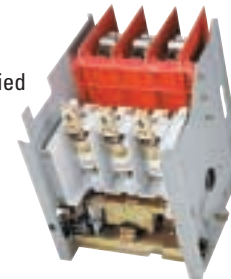
- Can be mounted horizontally, or vertically when space is an issue.
- Built-in mounting tabs provide for pedestal or panel mounting.

Global Acceptability

Manufactured and assembled in ISO certified facilities. All parts and components are made in the U.S.A.

- Meets NEMA/ANSI ICS 3 Part 2.
- KEMA tested to IEC 60470.*
- UL 347 recognized, File #E63257.
- CSA Certified T.I.L. D-21, File #LR28548.

* Applicable only for 160A – 400A.



"SL" CONTACTORS	Synchronous Induction		Synchronous (1.0 PF) Induction		KVAR ^①		Amps	
	Voltage	Horsepower	KW		Capacitor Switching			
160A								
	2200 – 2500V	600 800	450 600	480 120				
	3000 – 3600V	900 1000	675 750	640 120				
	3800 – 4800V	1200 1400	900 1050	960 120				
	6000 – 6900V	1800 2200	1350 1650	1320 120				
200A								
	2200 – 2500V	800 1000	600 750	600 150				
	3000 – 3600V	1100 1250	825 950	800 150				
	3800 – 4800V	1500 1750	1100 1300	1200 150				
	6000 – 6900V	2250 2750	1675 2050	1650 150				
360A								
	2200 – 2500V	1500 1750	1100 1300	1000 270				
	3000 – 3600V	2000 2500	1500 1850	1475 270				
	3800 – 4800V	2500 3000	1850 2250	2150 270				
	6000 – 6900V	4000 5000	3000 3750	2950 270				
400A								
	2200 – 2500V	1750 2000	1300 1500	1200 295				
	3000 – 3600V	2250 2500	1675 1850	1650 295				
	3800 – 4800V	3000 3500	2250 2600	2400 295				
	6000 – 6900V	4500 5500	3350 4100	3300 295				
800A								
	2200 – 2500V	3000 3500	2250 2600	2400 550				
	3000 – 3600V	4000 5000	3000 3750	3200 550				
	3800 – 4800V	5000 6000	3750 4500	4000 550				
	6000 – 6900V	8000 10000	6000 7500	4800 550				

① Ratings not applicable for back-to-back switching. Consult factory.

Need More Information?

Complete information available in Product Guides. Contact your local Cutler-Hammer representative.

- NEMA – PG.48C.01.T.E
- International – PG.48C.01.T.U

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