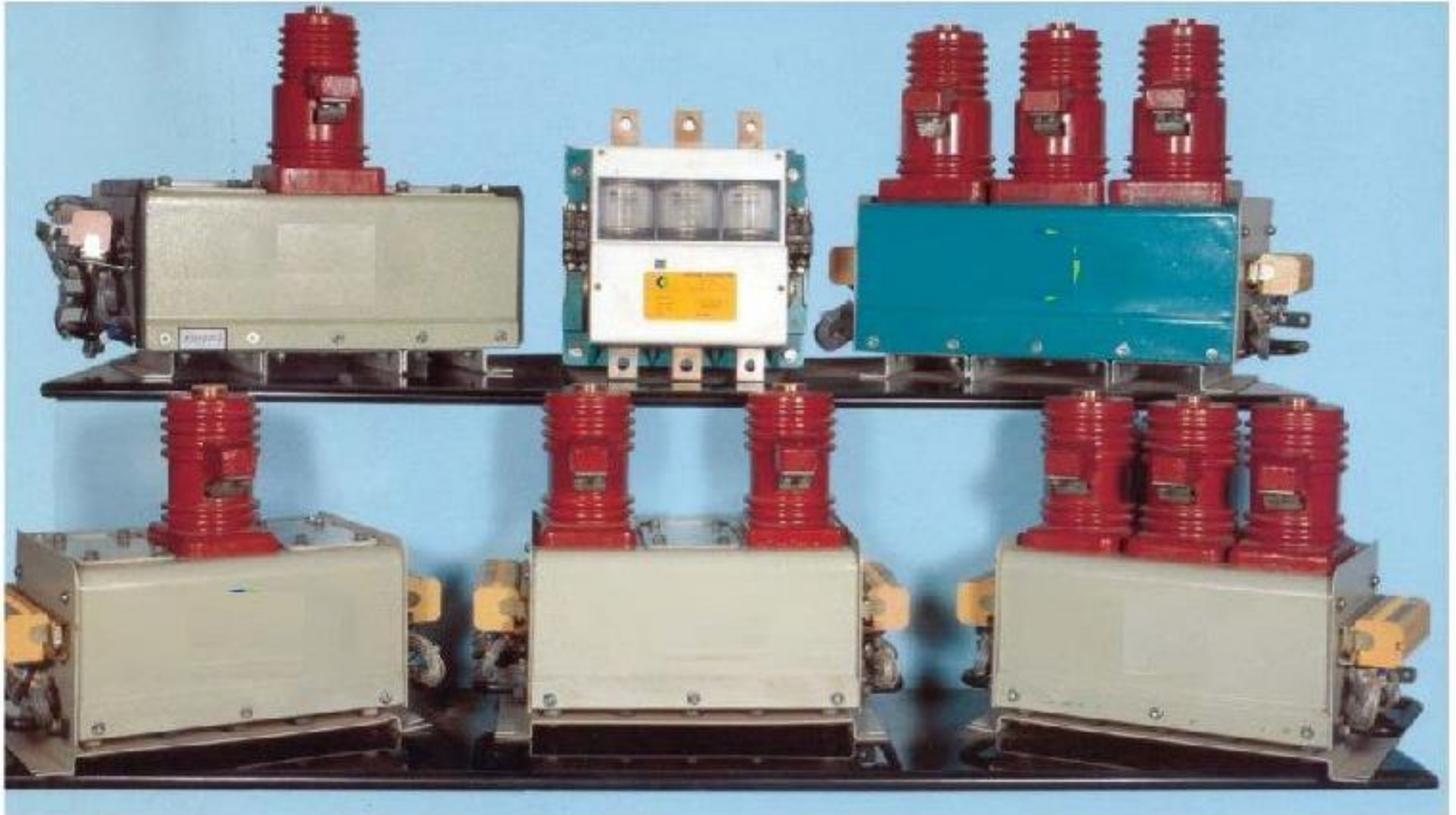




VACUUM CONTACTOR

430 V to 12 kV



Application

- Capacitor switching for reactive power compensation
- Switching of reactors
- Resistive load switching in heaters, ventilation system, melting furnace
- Neutral grounding of generators, operations of soft starters
- Motor switching in areas like
 - ❖ *Pumping Stations*
 - ❖ *Crawler careens; forward reserve operation in mines*
 - ❖ *Kift hoist*
- Transformer switching

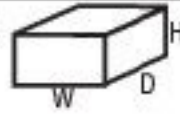
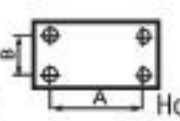
Features of Vacuum Contactor :

- High mechanical and electrical life
- Flexibility in selection of pole units for specific applications like neutral grounding soft starters etc.
- Very high reliability because of few moving parts
- Low maintenance
- Cost effective and compact
- Low chopping current
- Totally encapsulated structure for higher reliability in dusty and corrosive atmosphere
- Vacuum interrupter, that happens to be the heart of the vacuum contactor, comes from our own vacuum interrupter plant, who are market leaders in India.

VACUUM CONTACTOR

430 V to 12 kV

Typical Technical Data

Parameters	VACUUM CONTACTOR TYPE						Units	
	VC-400	VC-630	MVC-400	MVC-400L	CS-VP11	CS-VP11L		
Frequency	50/60	50/60	50/60	50/60	50/60	50/60	Hz	
Rated Voltage	1	1	7.2	7.2	12	12	kV rms	
Rated Operational Voltage	400	630	400	400	400	400	A rms	
Reference Standard	IEC-947	IEC-947	IEC-470	IEC-470	IEC-470	IEC-470	—	
Utilization Category	AC3	AC3	AC4	AC4	AC4	AC4	—	
Rated Breaking Current	3.2	5	3.2	3.2	3.2	3.2	kA	
Rated Making Current	4	6.3	4	4	4	4	kA rms	
Short Time Current/Time	3.2	5	3.2	3.2	3.2	3.2	kA rms	
Dielectric Withstand (P.F. for 1 min)	10	10	20	20	28	28	kV rms	
BIL Withstand (1.2/50Micro Sec.)	36	36	60	60	75	75	kV peak	
No. of pole Unit/s	3	3	1,2,3	1,2,3	1,2,3	1,2,3	nos	
Switching Mechanism	solenoid	solenoid	solenoid	Mechanical latch	solenoid	Mech. latch	—	
Switching Frequency(VI)	1200	1200	1200	1200	1200	1200	Ops/Hr	
Switching Frequency(Mechanism)	—	—	180	60	180	60	Ops/Hr	
Closing Time	115	115	115	115	115	115	ms	
Opening Time	50	50	50	30	50	30	ms	
No. of auxiliary contacts	4NO+4NC	4NO+4NC	4NO+4NC	4NO+4NC	3NO+3NC	3NO+3NC	—	
Auxiliary contact rating(AC)	—	—	500/16	500/16	500/16	500/16	V/A rms	
Rated control voltage(AC)	110/240/415	110/220	110/220	110/220	110/220	V rms		
Rated control voltage(DC)	24/48/110/220	24/110/220	24/110/220	24/110/220	24/110/220	24/110/220	V rms	
Closing coil inrush current(110/220V)	25/25	25/25	9/4.5	9/4.5	9/4.5	9/4.5	Amp	
Holding current mechanism(110/220V)	2.5/1	2.5/1	2/1	—	2/1	—	Amp	
Tripping coil inrush current(110V)	—	—	B—	1.5	—	1.5	Amp	
Application/Rated Performance								
Motor	—	—	3500	3500	6000	6000	kW	
Transformer	—	—	4800	4800	7500	7500	kVA	
Capacitor	—	—	1800	1800	3000	3000	kVAR	
Weight	23	23	23	28	34	49	Kg	
Dimensions 	H	285	285	316	316	380	380	mm
	W	220	220	210	305	245	350	mm
	D	260	260	400	400	500	500	mm
Mounting 	W	170	170	327	327	365	365	mm
	D	222	222	162.5	162.5	172	172	mm
Dimensions	Hole Size	11	11	9	9	12	12	mm

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