▷VCS(Vacuum Circuit Switch)

* Ratings
- 3.3/6.6kV 200/400A 4kV
- Max PF rating 200A 50kA
- Continuous energize type/Instantaneous energize type

*Characteristics
- Minimum switching surge with optimal Vacuum interrupter
- Optimal switching capacity for motor and condenser
- Small and light weight, excellent insulation performance
- Mutual mechanical interlocking for 2 VCSs
- Multiple installation method Fixed, Draw out. PF mounted type




Structure				Individual Type								Standard Type								fixed type of mechanical interlock installation			
				Fixed Type				Draw-Out Type				Power Fuse When not installed				Power Fuse when installed							
Rated Voltage			kV	3.3 / 3.6		6.6 / 7.2		3.3 / 3.6		6.6 / 7.2		3.3 / 3.6		6.6 / 7.2		6.6 / 7.2				3.3		6.6	
Rated Current			A	200	400	200	400	200	400	200	400	200	400	200	400	200				200	400	200	400
Rated Frequency			Hz	50, 60				50, 60				50, 60				50, 60				50, 60			
Short Circuit Breaking Current			kA	4				4				4				4				4			
Short Time Current		2sec	kA	4				4				4				4				4			
		0.5cycle	kA	40	50	40	50	40	50	40	50	40	50	40	50	40				40	50	40	50
Withstand Voltage		Impulse	Kv	*45		**60		*45		**60		*45		**60		60				45		60	
		Power Frequency	Kv	10		20		10		20		10		20		20				10		20	
Endurance	Mechanical	Fixed Excitation Mode	10,000 times	250				250				250				250				250			
		Instantaneous Excitation Mode	10,000 times	25				25				25				25				25			
	Electrical		10,000 times	25				25				25				25				25			
Operating Voltage		Closing coil	V	DC,24, 48/50, 100/110, 115/125, 200/220, 230/250, ***AC(single phase) 100/110, 200/220								DC,24, 48/50, 100/110, 115/125, 200/220, 230/250, ***AC(single phase) 100/110, 200/220											
		Trip coil (Instantaneous Excitation Mode)	V	DC,24, 48/50, 100/110, 115/125, 200/220, 230/250, ***AC(single phase) 100/110, 200/220								DC,24, 48/50, 100/110, 115/125, 200/220, 230/250, ***AC(single phase) 100/110, 200/221											
Auxiliary Contact				2a2b				2a2b				2a2b				2a2b				2a2b			
Power Fuse		Rated Voltage	kV	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
		Rated Current	A	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
		Rated Breaking Current	kA	-				-				-				-				-			
Power Load Capacity		Motor	kW	750	1500	1500	3000	750	1500	1500	3000	750	1500	1500	3000	1500				750	1500	1500	3000
		Transformer	KVA	1000	2000	2000	4000	1000	1000	2000	4000	1000	2000	2000	4000	2000				1000	2000	2000	4000
		Condenser	KVA	1000	2000	2000	4000	1000	2000	2000	4000	1000	2000	2000	4000	2000				1000	2000	2000	4000
Weight(Body)		Fixed Excitation Mode	R	22	23	22	23	28	29	28	29	44	45	44	45	Max.52				45	47	45	47
Applied Draw-Out Unit Type			kg					UVSDE-3-2	UVSDE-3-4	UVSDE-6-2	UVSDE-6-4	UVSDE-3-2	UVSDE-3-4	UVSDE-6-2	UVSDE-3-4	UVSDE-6-2				-			

- NOTE
1. The impulse withstand voltage between phases of in-phase main circuit marked with * is 30kV.
2. The impulse withstand voltage between phases of in-phase main circuit marked with ** is 45kV.
3. when the operating voltage (single-phase AC) is marked as ***, a silicon rectifer should be installed on the VC.
4. 2 operating and potential transformers can be installed on the draw-out type VC or VC with power fuse.
5. the maximum weight is measured with 2 operating transformers installed and when the power fuse in the maximum rated current.