

# RCS-Max Outdoor Three-Phase Capacitor Switch 40.5kV

Compliant with IEC & ANSI international power equipment standards



SF<sub>6</sub>-Free Design, zero greenhouse gas emissions

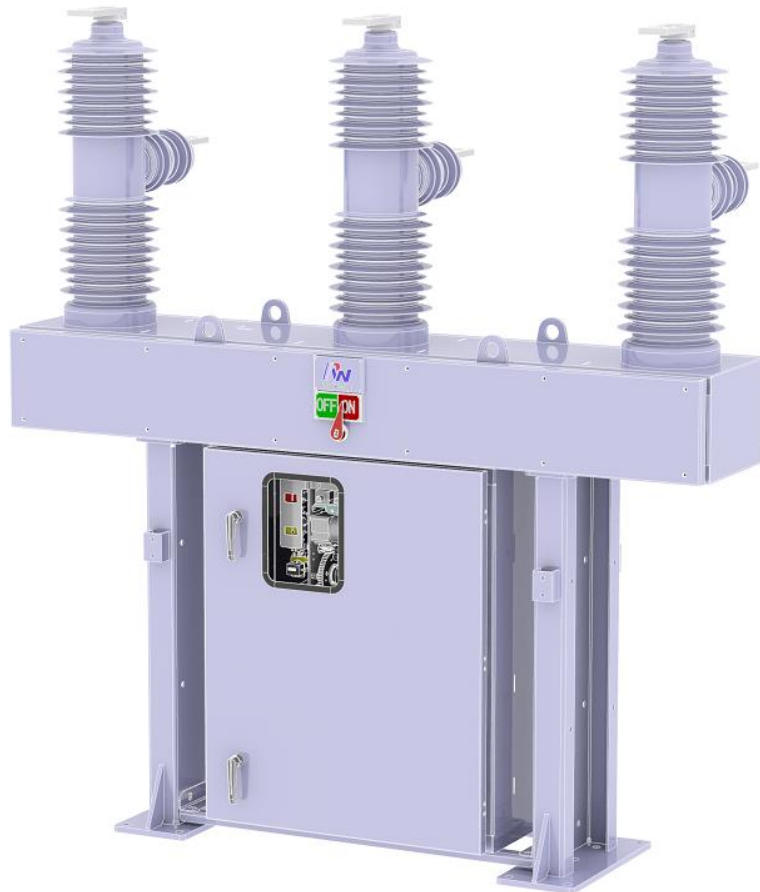
Vacuum arc extinction technology for stable capacitor switching

Multiple drive mechanism options (magnetic latching / spring / motor-spring)

Maintenance-free design for long service life

Compact footprint, space-efficient for outdoor applications

Modular structure, easy to integrate with current transformers



Provided customized manufacture

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and convenient installation

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## Technical Parameters

No.	Item		Unit	Data
1	Rated voltage		kV	40.5
2	Power frequency withstand voltage	Wet	kV	95
		Dry	kV	110
	Lightning impulse withstand voltage (peak value)		kV	185/200
3	Rated current		A	1250A/1600A
4	Rated short-circuit breaking current		kA	25/31.5
5	Rated capacitor bank breaking current		A	600/800
6	Rated Full Fault Breaking Duty		Number	30
7	Rated making current		kA	63/80
8	Rated short-circuit peak withstand current		kA	63/80
9	Rated short-circuit withstand current		kA	25/31.5
10	Rated short-time duration		s	4
11	Complete breaking time		ms	≤100
	Opening time	Highest voltage operate	ms	15~50
		Rated voltage operate	ms	15~50
		Lowest voltage operate	ms	30~60
	Closing time		ms	25~50
12	Contact closing bounce time		ms	≤3
	Out of simultaneity of contact switching		ms	≤2
	Contact overtravel on opening		mm	≤2
13	Mechanical life	20000(Normal)		
14	Electrical life (Rated on-load switching)	10000(Normal)	20000(Frequent)	
15	Rated operating sequence	O-0.3-CO-180s-CO		
16	Weight	450kg		

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