

RVB

Outdoor Live Tank Vacuum Circuit Breaker

Compliant with IEC international power equipment standards



24kV / 36kV / 40.5kV

SF₆-Free Zero Greenhouse Gas Emissions

Vacuum Arc Extinction Technology Maintenance-Free Spring Mechanism

Dual Design Options (Solid-Encapsulated Pole / Porcelain Housing)

Compact Footprint Space-Efficient for Outdoor Applications

Modular Structure for Current Transformer Integration & Customization



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

Parameter	Unit	RVB-24	RVB-36	RVB-40.5
Standard	-	IEC 62271-100		
Rated voltage	kV	24	36	40.5
Rated insulation voltage	kV	24	36	40.5
Power frequency withstand voltage	kV/min	70 dry / 70 wet	95 dry / 95 wet	95 dry / 95 wet
Impulse withstand voltage	kV peak	170	170	195
Rated frequency	Hz	50 / 60	50 / 60	50 / 60
Rated normal current	A	1250 / 2000 / 2500	1250 / 2000 / 2500	1600 / 2000 / 2500
Rated symmetrical breaking capacity	kA rms	25 / 31.5	25 / 31.5	31.5
Rated short-time withstand current (3s)	kA rms	25 / 31.5	25 / 31.5	31.5
Rated making capacity	kA peak	63 / 80	63 / 80	80
Operating sequence	0-0.3s-00-180s-00 & CO-15sec-00			
Opening time	ms	45 ± 10		
Single bank – C2 class	A	400	400	
Back to back – C2 class	A			750
Arcing time	ms	5–15	5–15	5–15
Total breaking time	ms	50–60	50–60	50–60
Closing time	ms	75 ± 10	75 ± 10	75 ± 10
Weight	kg	850 / 900	850 / 900	900
Operating temperature range	°C	-25 … +40	-25 … +40	-25 … +40
Tropicalization standard	-	IEC 60068-2-30 / IEC60721-2-1		
Electromagnetic compatibility	-	IEC 62271-1 / 61000-6-2 / 61000-6-4		

Solar radiation withstand	W/m ²	1000	1000	1000
Pollution degree (IEC 60815-Table 1)	-	Level III	Level III	Level III
Creepage distance	mm/kV	25#2	25#2	25#2
Ice coating withstand	mm	10	10	10
Wind speed withstand	m/s	34	34	34

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