

RHD-40.5 Dead tank SF6 gas circuit breaker

Compliant with IEC/CEI power equipment standards



40.5kV, 1600~3150 A, 50/60 Hz

Adopt self-blast arc extinguishing principle

Three-phase post-type porcelain insulator structure

Adopt pointer-type density relays for pressure and density monitoring



Rated maximum voltage	40.5 kV
Rated maximum current	1600~3150 A
Rated frequency	50/60 Hz
Lightning impulse withstand voltage	185/215 kV
Rated short-circuit breaking current	25~31.5 kA
Rated peak withstand current	80~100 kA
Creepage distance	25~31 mm/kV
Partial discharge	≤10 pC
Opening time	≤30 ms
Alarm/blocking pressure	0.45/0.40 MPa
Gas moisture content	≤150 ppm(v)
Heater voltage	AC220 V
Voltage of energy-store motor	DC110/220 V
1min Power frequency withstand voltage	95/118 kV
First open pole factor	1.5
Rated short-circuit duration	4 s
Rated cable/line charging breaking current	100~160 A
Rated making current (peak)	80~100kA
Operation sequence	O-0.3s-CO-180s-CO
Breaking time	≤60 ms
Closing time	≤100 ms
Rated SF ₆ gas pressure	0.5~0.6 MPa
SF ₆ annual gas leakage rate	≤0.5%
Mechanical life	10000 times
Voltage of control circuit	DC110/220 V
Applied standards	GB/T 1984 / IEC 62271-100

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