

RHD-145 SF6 Gas Dead tank Circuit Breaker

Compliant with IEC/CEI power equipment standards



145 kV, 2500~4000A, 50/60Hz

Self-blast arc extinction technology

Three-phase post porcelain insulator design

Pointer density relays for pressure monitoring

Rated maximum voltage	145 kV
Rated maximum current	2500~4000 A
Rated frequency	50/60 Hz
Lightning impulse withstand voltage	650/750 kV
Rated short-circuit breaking current	31.5~50 kA
Rated peak withstand current	100~125 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	275/315 kV
First open pole factor	1.5
Rated short-circuit duration	3 s
Rated cable/line charging breaking current	160~200 A
Rated making current (peak)	100~125 kA
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



Provided customized manufacture

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and convenient installation

