

CT23 Spring Operating Mechanism

Summary

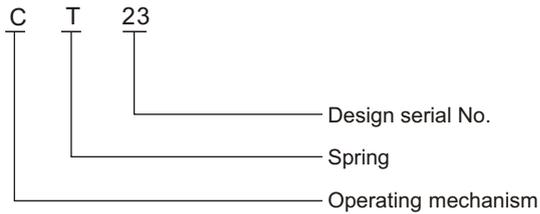
CT23 spring operating mechanism applies to vacuum circuit-breaker that rating below 12kV/25kA, ZW8 model and ZW1 vacuum circuit-breakers and those of equivalent closing power. It conforms to relevant standards in IEC62271 & GB/T 1984: AC High-voltage vacuum circuit breaker. and IEC standards. The mechanism store energy by electric motor and manual, and operate by motor and manual.



Ambient condition

1. Altitude: $\leq 1000\text{m}$;
2. Ambient temperature: $-25^{\circ}\text{C}\sim+40^{\circ}\text{C}$;
3. Relative humidity: daily average $\leq 95\%$, monthly average $\leq 90\%$;
4. Earthquake intensity: ≤ 8 degree;
5. Applicable occasions should free from inflammables, explosives, corrosives and severe vibration.

Model



Technical specification

1. Technical specification of storage motor

Item	Closing coil	Opening coil	Overcurrent trip coil	Storage motor
Rated voltage	AC,DC 220	AC 220		AC,DC220
Rated operating current (A)	AC 2.9 DC 2.8	AC 2.4 DC 0.9	5A or 2.5A	70W
Normal operate voltage and current range	AC, DC 65%~120% of rated voltage	65%~120% of rated voltage (do not trip when voltage is less than 30%)	Opening when higher than 100% of rated current ,do not trip when less than 90% of rated current.	$\pm 10\%$ of rated voltage

2. Mechanism output turning at $55^{\circ}\sim 60^{\circ}$

The mounting position:

