

CT20 Spring Operating Mechanism

Summary

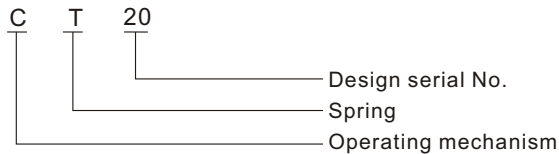
CT20 spring operating mechanism applies to apparatus that rating below 12kV/25 kA and ZW 20A model outdoor vacuum circuit breaker, as well as those VCB with equivalent closing power. The mechanism is of small volume, compact structure and small input power. The mechanism store energy by motor and manual, and operate by motor and manual.



Ambient condition

1. Ambient temperature: $-45^{\circ}\text{C}\sim 40^{\circ}\text{C}$;
2. Wind speed: $\leq 35\text{m/s}$;
3. Altitude: $\leq 2000\text{m}$, earthquake intensity ≤ 8 degree;
4. Ambient humidity: monthly average $\leq 90\%$, daily average $\leq 95\%$;
5. Mounted on occasions without explosives, inflammables, corrosives and severe vibration;
6. Air pollution degree: III.

Model



Technical specification

1. Technical specification of storage motor

Model	Rated voltage			Rated output power	Normal operate voltage
	DC220	DC110	24V		
53ZY-CJ02-DN-S	DC220	DC110	24V	30W	85%~110%

2. Technical specification of CO electromagnet and over current tripping coil

Rated operate voltage (V)	DC220	DC110	DC48	DC24V
Rated operating current (A)	3.9	4.4	10	12
Coil resistance (Ω)	56	33	4.8	2
Rated power (W)	860	484	480	288
Normal operating current range(V)	Open at 65%~110% rated operate voltage; do not open when less than 30% of rated operate voltage			
	Close at 65%~110% rated operate voltage			
Over-current trip coil	5A	Open when large than 100% rated current, do not open at 90% rated current		

3. Manual storage is operated by handle, the moment is less than 100N

4. Mechanical life 10000 (times), mechanism output angle 38~45 (degree), outline dimension 420×300×225mm.

Outline dimension

