

## CT19(B) Spring Operating Mechanism

### Summary

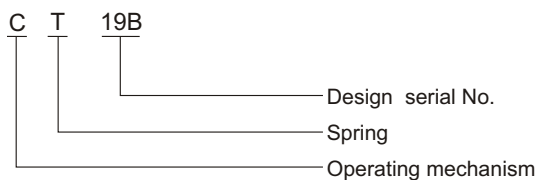
CT19(B) spring operating mechanism applies to ZN28 series VCB and those of equivalent closing power. CT19A is a equipment of XGN2-12Z model and GG1A HV switchgear. CT19B is based on CT19A, improved with smaller volume and good service reliability. CT19B model is also applicable for oilless improving on old model switchgear. This mechanism conforms to IEC62271-100 & GB/T1984 AC High voltage circuit breaker relevant technical condition and requirement. Energy storage is operated both by dependent manual and motor. Operation can be both button by manpower and electromagnet.



### Ambient condition

1. Ambient temperature: -25°C ~+40°C;
2. Altitude: ≤3000M;
3. Relative humidity: daily average ≤95%, monthly average ≤90%, vapor data ≤2.2 × 10MPa, monthly average ≤2.2 × 10Mpa.
4. Applicable occasions free from corrosive gas and severe vibration.
5. Power supply: DC110V and 220V, AC 110V and 220V.

### Model



### Technical specification

Item	Unit	CT19 Model spring operating mechanism series					
		CT19I	CT19II	CT19III	CT19BI	CT19BII	CT19BIII
Rated voltage of storage motor	V	AC,DC: 110 and 220					
Rated voltage of closing electromagnet	V	AC,DC: 110 and 220					
Rated voltage of opening electromagnet	V	AC,DC: 110 and 220					
Closing power	J	120	180	230	120	180	230
Rated input power of motor	W	70					
Rated breaking current	kA	20	31.5	40	20	31.5	40
Output angle of mechanism	Degree	50~55					
Mechanical life	Times	10,000					
Outline dimension	mm	160 × 360 × 420, 178 × 320 × 550, 178 × 360 × 440					

### Composite model of release

Release composite apparatus	Name, code and quantity of release	
	Over-current tripping electromagnet NO.1	Closing electromagnet NO.4
100	1	0
110	2	0
111	3	0
104	1	1
114	2	1
400	0	1
1114	3	1