

## CQB5-100 Miniature Circuit Breaker

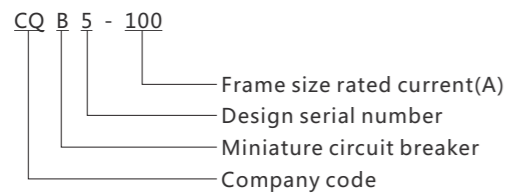


### Overview and applications

- Overload & short circuit protection
  - Positive isolation
  - Clear contact position indication in red/green
  - High Interruption rating capabilities.
- Suitable for industrial, commercial, high-rise and civil residences circuit protection.



### Type designation



### Technical data

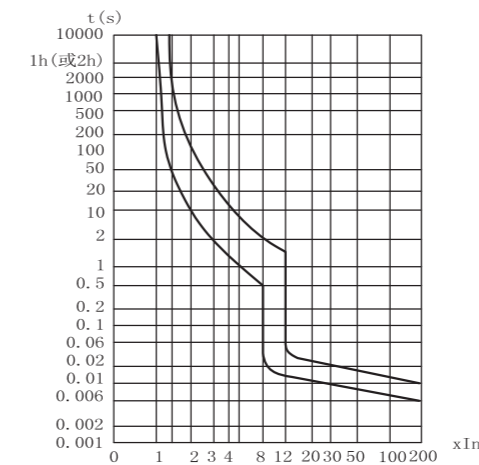
Specifications	
Rated voltage(v)	230V(1P)、400V(2~4P)
Rated current(A)	63A、80A、100A
Poles	1P、2P、3P、4P
Rated breaking capacity I <sub>cn</sub> (A)	I <sub>cu</sub> =I <sub>cs</sub> =6000A
Rated impulse withstand voltage U <sub>imp</sub> (V)	6000V
Tripping characteristics	Table 1
Mechanical & Electrical life	8500&1500(Operating frequency: 120 /h)
Pollution Degree	2
Tightening torque(N·m)	2.5
Protection class	IP20
Overvoltage category	II&III
Standards	IEC 60947-2、GB/T14048.2
Compliant certification	CCC

### Table 1 : Tripping characteristics(Reference temp.30°C)

Item	Test current I <sub>n</sub> (A)	Initial status	Time limit for tripping or non-tripping	Expected result	Remarks
a	1.05I <sub>n</sub>	Cold	t≤1h ( I <sub>n</sub> ≤63A) t≤2h ( I <sub>n</sub> ≥63A)	Non-tripping	
b	1.3I <sub>n</sub>	Following Item a test	t<1h ( I <sub>n</sub> ≤63A) t<2h ( I <sub>n</sub> ≥63A)	Tripping	Current smoothly rises to specified value within 5s
c	2I <sub>n</sub>	Cold	0<t<300s	Tripping	
d	8I <sub>n</sub>	Cold	t≤0.2s	Non-tripping	
e	12I <sub>n</sub>	Cold	t<0.2s	Tripping	

Note: The term "cold " means that the test is carried out at a reference calibration temperature without load before the test.

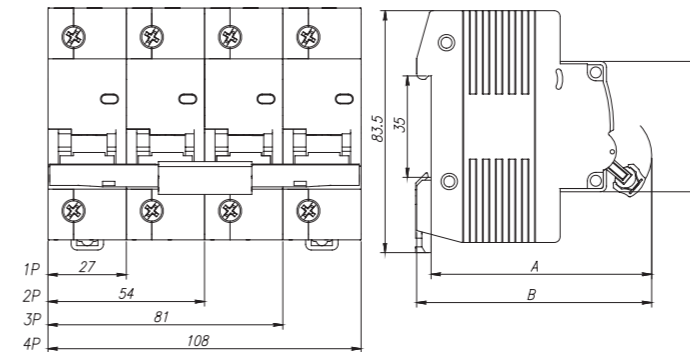
### Tripping curve



### Conductor requirements and cross section

Copper cross-section(mm <sup>2</sup> )	Rated current I <sub>n</sub> (A)
16	63
25	80
35	100

### Dimensions(unit:mm)



### Order Specifications

- When ordering circuit breakers, the following points should be specified:
  - A) Product models, such as CQB5-100;
  - B) Poles of circuit breakers, such as 1P、2P、3P、4P;
  - C) Rated current of circuit breakers, such as 63A、80A、100A;
  - D) Order quantity, such as 100 pcs
- Purchase order template  
CQB5-100 2P 63A 100pcs

### Wiring Diagram

