



YCB7-63

MINIATURE CIRCUIT BREAKER

- Micro curved surface design
- Humanized handle
- Terminal double protection
- On off indicating window
- All copper current carrier

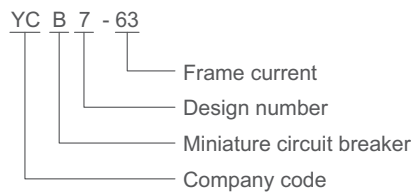


▼ Product overview

YCB7-63 series MCB is suitable for AC 50/60 Hz, rated voltage 230V/400V, rated current 63A line, be used to protect the building line facilities over-current and similar purposes, with isolation, overload and short circuit protection function, and can also be used as the infrequent conversion of the line under normal conditions.

Circuit breaker is suitable for the industrial, commercial, high-rise and civilian residential and other places.

▼ Product model and meaning



▼ Normal working condition

1. Operating temperature: -25°C~+60°C, +20°C relative humidity should not be higher than 90%; +40°C relative humidity should not be higher than 50%;
2. Altitude: not exceed 2000m;
3. Installation category: II, III;
4. Installation: Embedded vertical DIN standard rail mounting;
5. Pollution class: 2.

▼ Main technical parameters

Frame current	63
Rated insulation voltage	500V
Rated impact withstand voltage	4kV
Rated current I _n (A)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63
Rated frequency	50Hz/60Hz
Instantaneous release type	B, C, D
Pole	1P, 1P+N, 2P, 3P, 3P+N, 4P
Rated short-circuit capacity I _{cn}	6kA
Run short-circuit capacity I _{cs}	6kA
Mechanical life	20000
Electrical life	6000
Grid distance	50mm
Protection class	IP20
Standard	IEC60898-1
Certification	CE

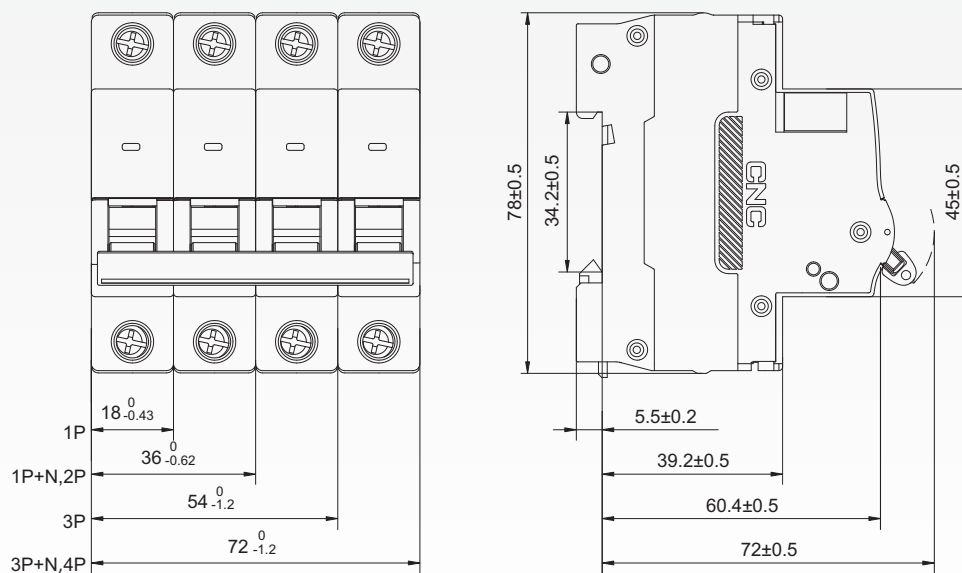
▼ Overcurrent protection characteristics

No.	Release rated current(A)	Initial state	Test current	Set time	Expected result	Remark
1	1~63	Cold state	1.13I _n	t≤1h	Not release	
2	1~63	Conducted immediately after the previous experiment	1.45I _n	t<1h	Release	The current rises steadily to the specified value within 5s
3	I _n ≤32	Cold state	2.55I _n	1s<t<60s	Release	
	I _n >32	Cold state	2.55I _n	1s<t<120s	Release	
4	1~63	Cold state	3I _n	t≤0.1s	Not release	B
			5I _n	t<0.1s	Release	
			5I _n	t≤0.1s	Not release	C
			10I _n	t<0.1s	Release	
			10I _n	t≤0.1s	Not release	D
			20I _n	t<0.1s	Release	

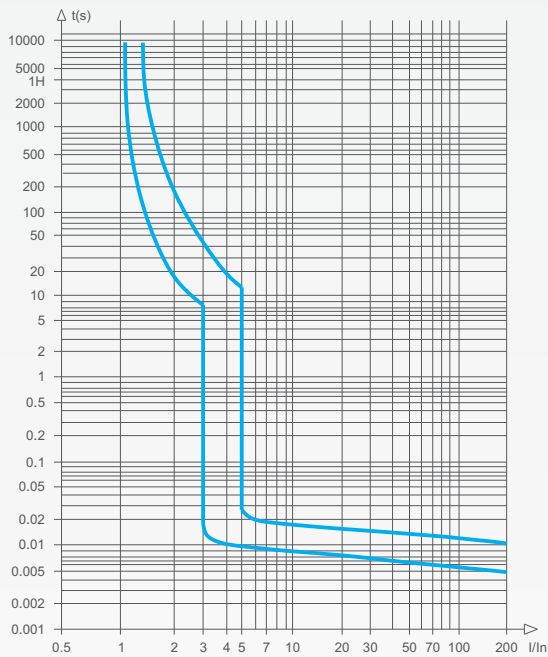
▼ Current correction coefficients for different ambient temperature

Ambient temperature °C	-30	-20	-10	0	10	20	30	40	50	60	70
Current correction coefficients	1.30	1.30	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.85	0.8

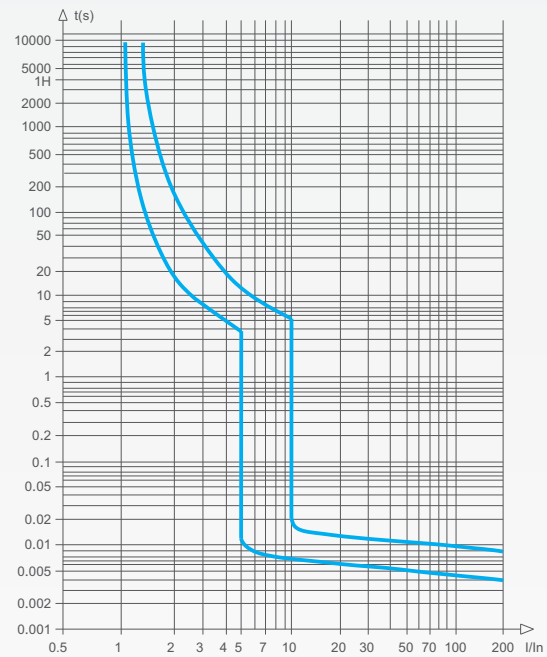
▼ Overall and mounting dimensions(mm)



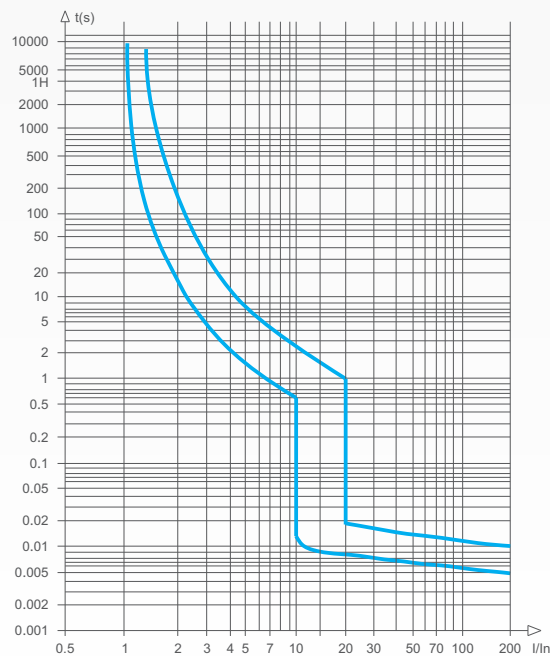
▼ Release characteristics curve



B Type



C Type



D Type

▼ Ordering instruction

1. When ordering, the user should indicate the product model, release type, rated current, pole number, accessories and quantity.
For example: YCB7-63 MCB C 25 1P+N 880 sets (indicates 880 sets of YCB7-63 MCB C type 1P+N 25A).
2. Products can be assembled accessories: OF, SD, MX, MN+MV, MX+OF and so on.
3. Special requirements of users can be negotiated separately.