

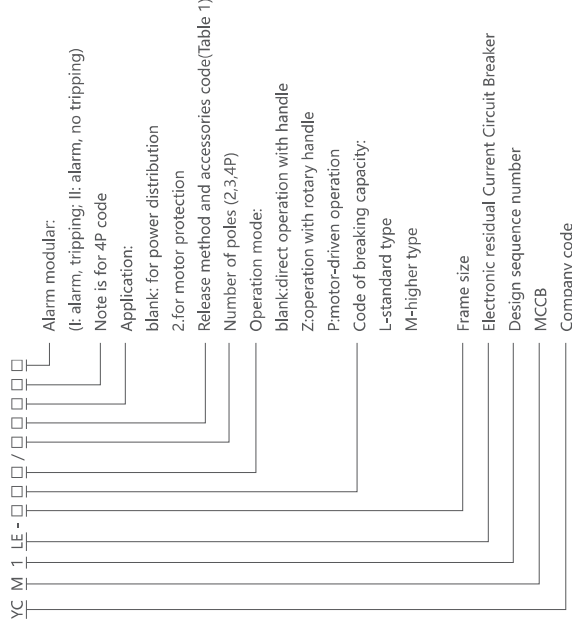
Model	Dimensions					Ue(V)	Ie(A)	Mechanical life (times)	Motor power (W)
	A	B	C	D	E				
YCM1-63	25	117	74	102	79	K1	≤0.5	14000	14
YCM1-100	30	129	90	116	77	K1	≤0.5	14000	14
YCM1-225	35	126	90	116	77	K1	≤0.5	14000	14
YCM1-400	44	194	130	176	115	K2	≤2	5000	35
YCM1-630	58	200	130	176	115	K2	≤2	5000	35
YCM1-800	70	243	130	176	115	K2	≤2	5000	35
YCM1-1250	70	300	130	176	115	K2	≤2	5000	35
YCM1-1600	196	318	130	300	154	K2	≤2	5000	35



**General**

YCM1LE series earth leakage circuit breaker (herein after called circuit breaker) is applied for the power distribution network of AC 50Hz, rated current 630A. The circuit breaker can protect people against indirect contact with dangerous electric current and prevent fire disaster caused by insulation fault and single-phase ground fault. It can be used to distribute electric power and protect power equipment against overload and short circuit. The circuit breaker can change the circuit and start motor infrequently. The rated residual operating current and the maximum off-time can be adjusted on-site according to actual situation, the circuit breaker can be customized alarm function and no tripping function.  
Standard: IEC60947-2.

**Type designation**



Note:

- A: Without current release components, N-Pole is always at making status, not makes and breaks with other three poles;
- B: Without current release components, N-Pole makes with the other three poles (N-Pole first makes then breaks);

Under voltage release		Rated working voltage Ue V	AC230V AC400V
		Acting voltage V	(0.35~0.7)Ue
Shunt release		Rated control power voltage Us V	AC230V AC400V DC24V DC110V DC220V
		Acting voltage V	(0.7~1.1)Ue
Auxiliary, Alarm contact		Frame current I <sub>th</sub>	Rated thermal current I <sub>th</sub>
		I <sub>th</sub> ≤ 225	3A
		I <sub>th</sub> ≥ 400	6A

## YCM1LE Earth leakage MCCB

### Technical data

Type	YCM1LE-125	YCM1LE-250	YCM1LE-400	YCM1LE-630 YCM1LE-800
Frame current I <sub>nm</sub> (A)	125	250	400	630 800
Rated current I <sub>n</sub> (A)	10, 16, 20, 25, 32, 40 50, 63, 80, 100, 125	100, 125, 140, 160 180, 200, 225, 250	225, 315, 350, 400	400, 500, 630 630, 700, 800
Pole	2 3 4	2 3 4	3 4	3 4
Rated insulation voltage U <sub>i</sub> (V)	AC800			
Rated working voltage U <sub>e</sub> (V)	AC400			
Rated impulse withstand voltage U <sub>imp</sub> (V)	8000			
Arcing-over distance (mm)	50 100			
Breaking ability level	L M	L M	L M	L M
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> (kA)	35 50	35 50	50 65	50 65
Rated working short-circuit breaking capacity I <sub>cs</sub> (kA)	22 25	22 25	35 42	35 42
Rated residual short-circuit breaking capacity	7.5 12.5	7.5 12.5	13.5	13.5
Rated residual operating current I <sub>Δn</sub> (mA)	No time-delay type	30/100/500 100/300/500	100/300/500	300/500/1000
	Time-delay type	100/300/500	100/300/500	300/500/1000
Rated residual nonoperating current I <sub>Δn</sub> (mA)	Power on	1500	1000	1000
	Power off	8500	7000	4000
Total times	10000	8000	5000	5000
Residual current protection operating time	I <sub>Δn</sub>	2I <sub>Δn</sub>	5I <sub>Δn</sub>	10I <sub>Δn</sub>
Max. breaking time(s)	No time-delay type	0.2	0.1	0.04
	Time-delay type	0.4/1	0.4/1	0.3/1

## YCM1LE Earth leakage MCCB

### Inner accessories

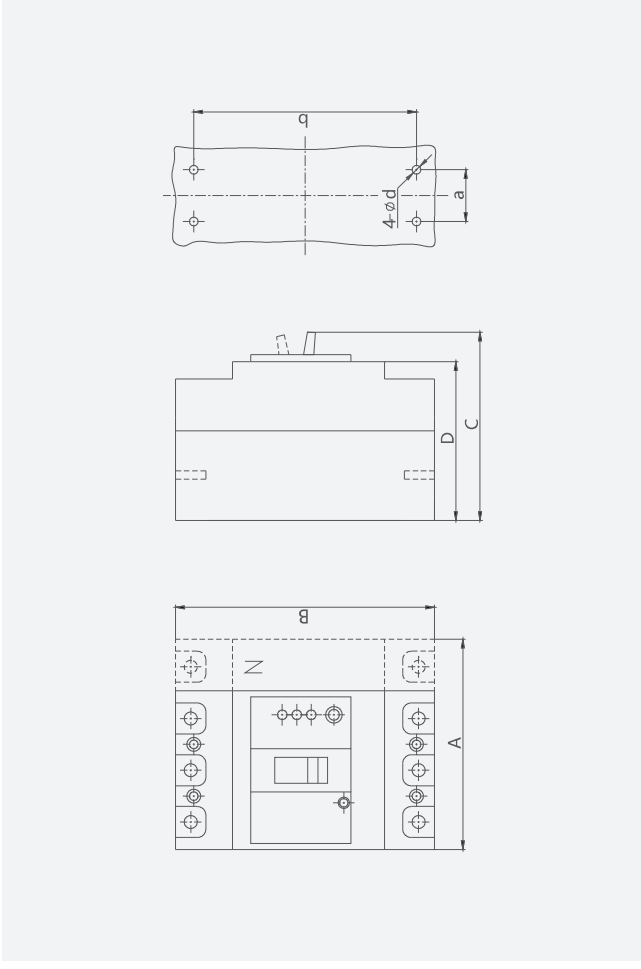
Table 1

Accessories name	Release method and accessories code		Accessories installation and down-leads			
	Electromagnetic release	Complex release	YCM1LE-125/3 YCM1LE-250/3	YCM1LE-125/4 YCM1LE-250/4	YCM1LE-400/3 YCM1LE-630/3 YCM1LE-800/3	YCM1LE-400/4 YCM1LE-630/4 YCM1LE-800/4
Without parts	200	300				
Alarm contact	208	308				
Shunt release	210	310				
Auxiliary contact	220	320				
Undervoltage release	230	330				
Shunt release, Auxiliary contact	240	340				
Secondary auxiliary contact	260	360				
Auxiliary contact, Undervoltage release	270	370				
Shunt release, Alarm contact	218	318				
Auxiliary contact, Alarm contact	228	328				
Undervoltage release, Alarm contact	238	338				
Shunt release, Auxiliary contact, Alarm contact	248	348				
Secondary auxiliary contact, Alarm contact	268	368				
Auxiliary contact, Undervoltage release, Alarm contact	278	378				

Note: left right Alarm contact Shunt release Auxiliary contact Undervoltage release

**Distribution Apparatus**  
**YCM1LE Earth leakage MCCB**

Overall and mounting dimensions(mm)



Type	Pole	Overall size (mm)				Installation size (mm)			
		A	B	C	D	a	b	φd	
YCM1LE-125	3	92	150	110	92	30	129	4.5	
	4	122				60			
YCM1LE-250	3	107	165	110	90	35	126	4.5	
	4	142				70			
YCM1LE-400	3	150	257	146.5	106.5	44	194	7	
	4	198				94			
YCM1LE-630	3	210	280	155	115.5	70	243	7	
	4	280				140			

**YCM7 Series**  
**Distribution Apparatus**



- Multi-function choices
- Design for small size
- Modular accessories for easy and convenient installation