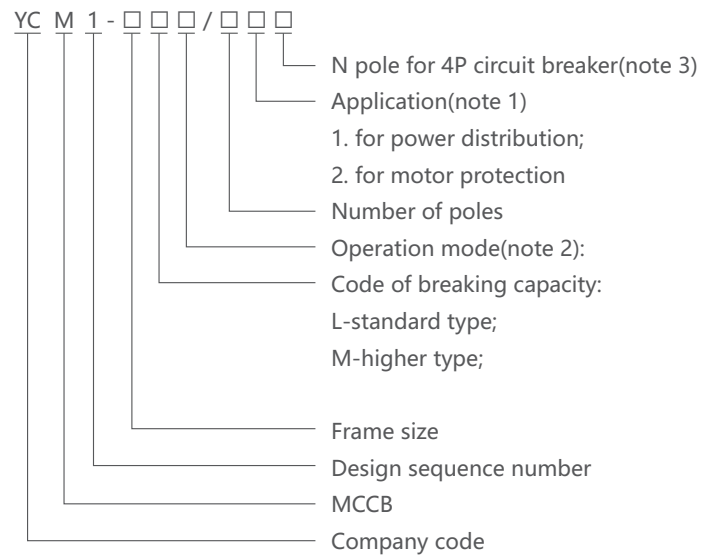


YCM1 MCCB



The circuit breaker can be installed vertically, or horizontally. This product complies with standard of IEC60947-2.

YC M 1 - /



1. Blank for power distribution, 2 for motor protection
2. Blank for direct operation with handle, Z for operation with rotary handle, P for motor-driven operation.
3. There are 2 types of N-pole for 4P breaker:
A: Without current release components, N-Pole is always at making status (not breakers);
B: Without current release components, N-Pole makes with the other three poles;

YCM1 MCCB

1. Temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$; the average value within 24h shall not exceed $+35^{\circ}\text{C}$. For the circuit breaker with thermo-magnetic release, $+40^{\circ}\text{C}$ is set to be the standard temperature for ratings. For temperature not between $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, please contact us for temperature compensation correction;
2. Altitude: not exceed 2000m (Please contact with us for reduction coefficient if altitude at the mounted site exceed 2000m)
3. Pollution grade: Grade 3;
4. Air conditions:
At mounting site, relative humidity not exceed 50% at the max temperature of $+40^{\circ}\text{C}$, higher relative humidity is allowable under lower temperature. For example, RH could be 90% at $+20^{\circ}\text{C}$, special measures should be taken to occurrence of dews.

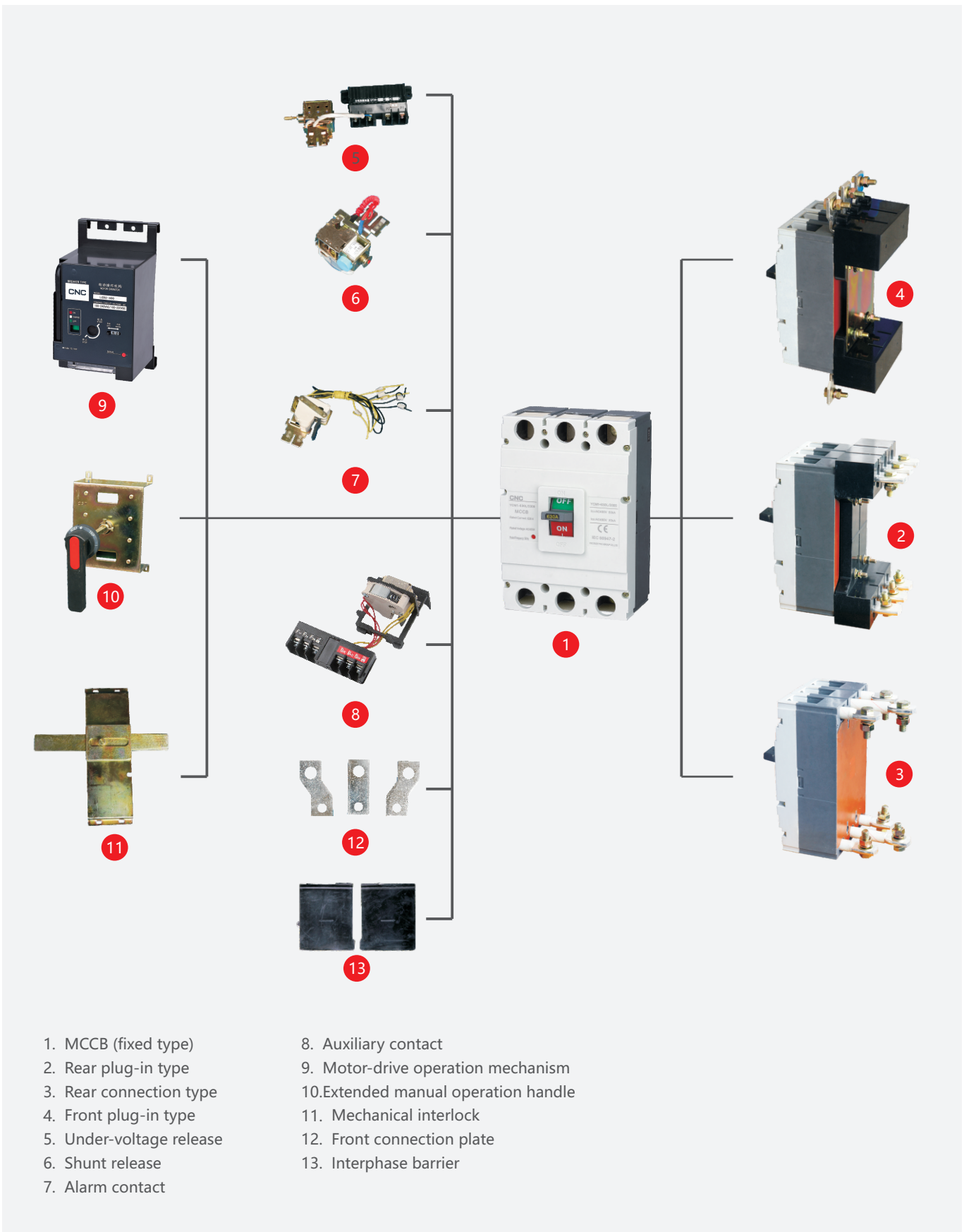
Type			YCM1-63		YCM1-125	YCM1-160	YCM1-250		YCM1-400		YCM1-630		YCM1-800	YCM1-1250	YCM1-1600			
Poles	P		3	3, 4	2, 3, 4	3P	2, 3, 4		3	4	3	4	3, 4	3	3			
Rated current In	A		10, 16, 20, 25, 32, 40, 50, 63		10, 16, 20, 25, 32, 40, 50, 63 80, 100, 125		20,25, 32,40, 50,63, 80,100, 125,140, 160		100, 125, 140 160, 180, 200 225, 250		225, 250, 315,350, 400		400, 500, 630		630, 700, 800	800, 1000 1250	1600	
Rated insulation voltage Ui	V		500		800													
Rated impulse withstand voltage Uimp	V		6000		8000													
Rated operation voltage Ue	V		AC400		AC400/690													
Breaking capacity class			L	M	L	M	L	L	M	L	M	L	M	M	M	M		
Limit short-circuit breaking capacity Icu	kA	400V	35	50	35	50	50	35	50	50	65	50	65	75	85	85		
		690V			8	10	10	8	10	10	20	10	20	30	25	25		
Working short-circuit breaking capacity Ics	kA	400V	22	25	22	25	25	22	25	35	42	35	42	50	42.5	42.5		
		690V			4	5	5	4	5	5	10	5	10	15	12.5	12.5		
Arcing distance mm		50							100									
Operating frequency	Electrical life		1500		1500		1500		1000		1000		1000		500		500	500
	mechanical life		8500		8500		8500		7000		4000		4000		2500		2500	2500

Release method and accessories code

Table 1

	Release method and accessories code		Accessories installation and down-leads			
Accessories name	Electromagnetic release	Complex release	YCM1-63 YCM1-100	YCM1-160 YCM1LE-225	YCM1-400 YCM1-630	YCM1-800 YCM1-1250
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				
Shunt release, under-voltage release	250	350				
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



1. MCCB (fixed type)

2. Rear plug-in type

3. Rear connection type

4. Front plug-in type

5. Under-voltage release

6. Shunt release

7. Alarm contact
8. Auxiliary contact

9. Motor-drive operation mechanism

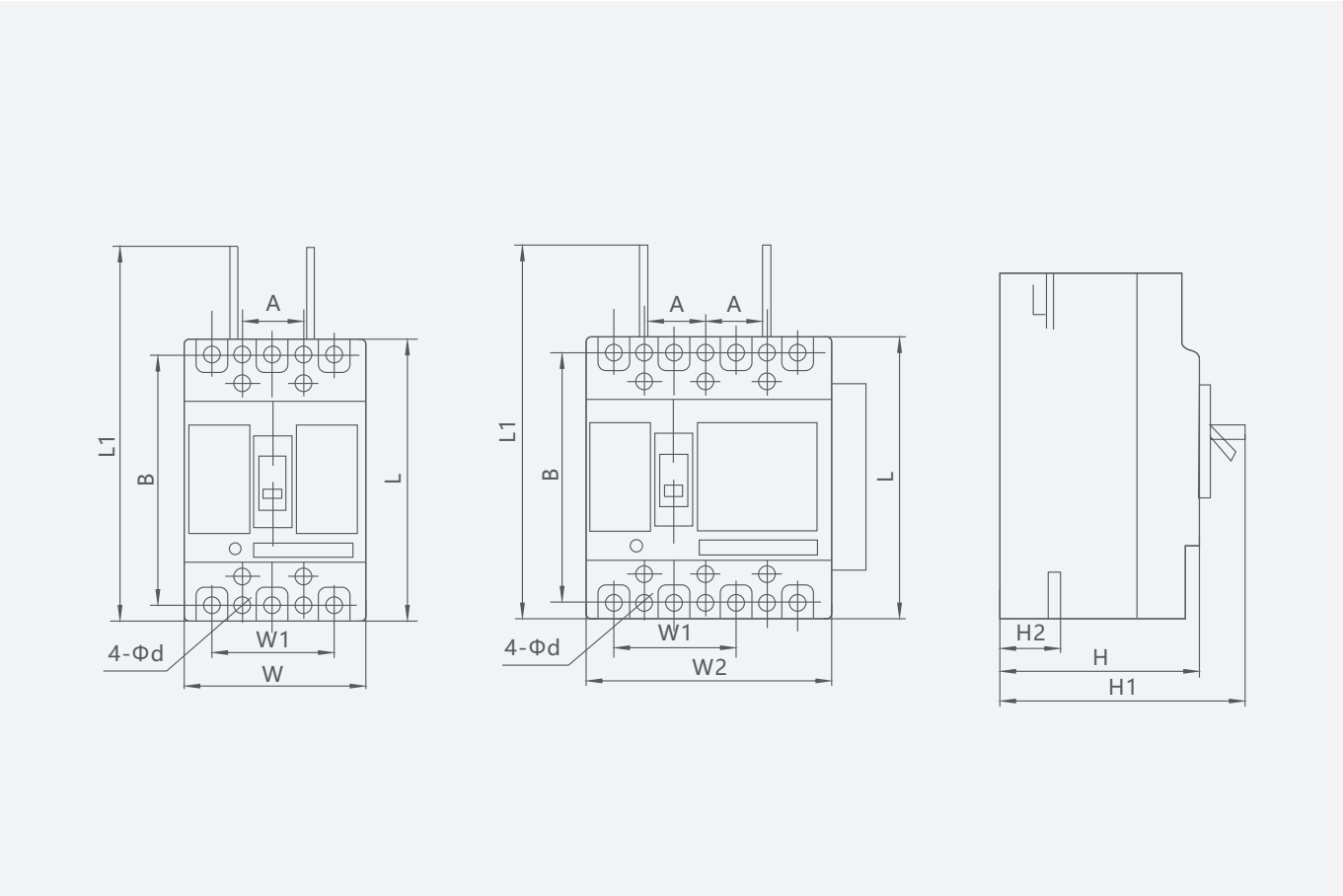
10. Extended manual operation handle

11. Mechanical interlock

12. Front connection plate

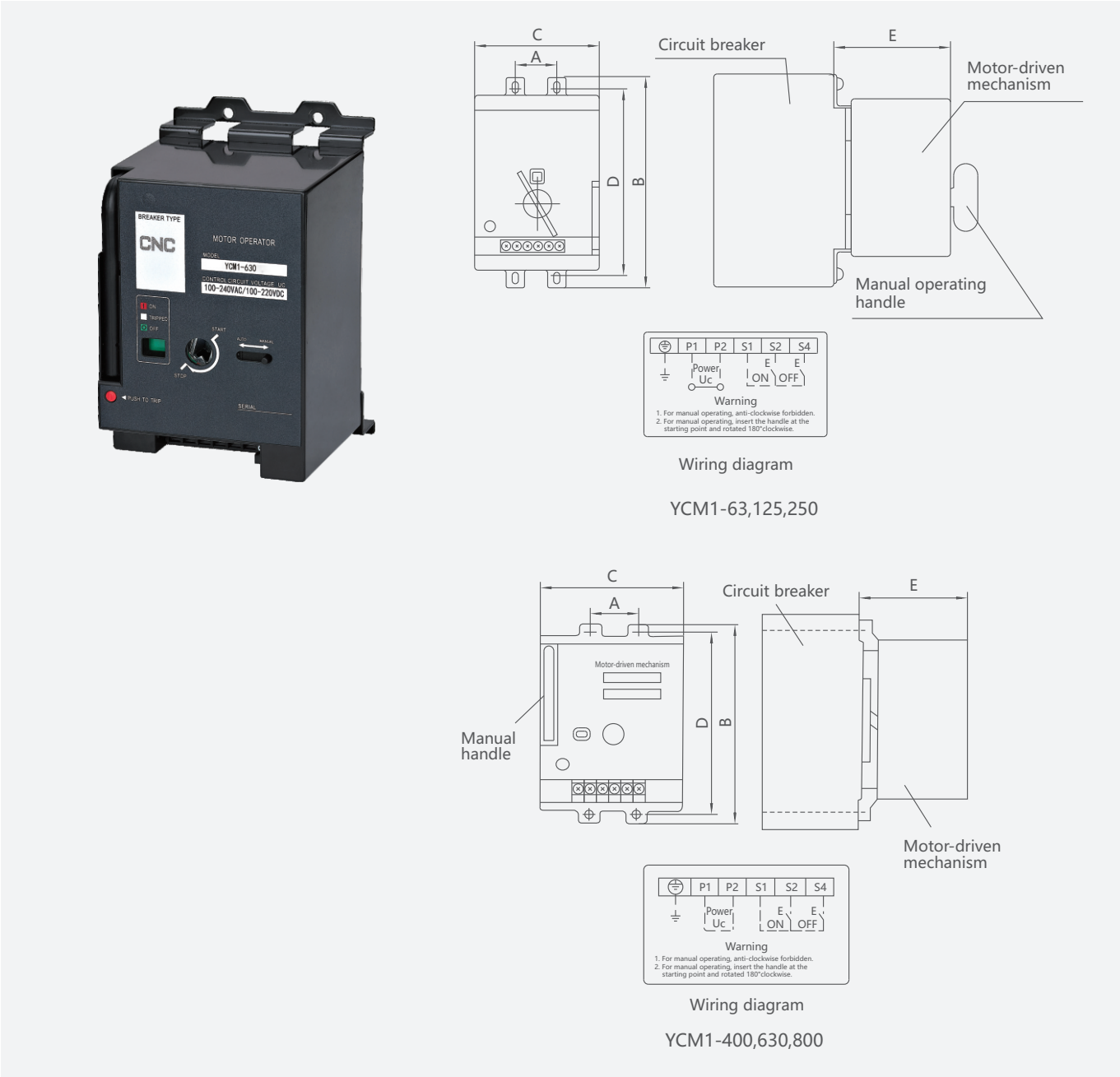
13. Interphase barrier

Overall and mounting dimensions(mm)



Type	Overall size (mm)								Installation size (mm)		
	W	L	H	W1	W2	L1	H1	H2	A	B	Φd
YCM1-63L	78	135	74	50	-	156	92	28	25	117	3.5
YCM1-63M	78	135	82	50	103	156	100	28	25	117	3.5
YCM1-125L	92	150	68	60	-	200	88	24	30	129	4.5
YCM1-125M	92	150	86	60	122	200	105	24	30	129	4.5
YCM1-250L	107	165	86	70	-	215	110	24	35	126	5
YCM1-250M	107	165	103	70	142	215	127	24	35	126	5
YCM1-400L	150	257	107	96	198	357	162	38	44	194	7
YCM1-400M	150	257	107	96	198	357	162	38	44	194	7
YCM1-630L	182	271	112	116	240	370	165	42	58	200	7
YCM1-630M	182	271	112	116	240	370	165	42	58	200	7
YCM1-800M	210	280	116	140	280	385	168	42	70	243	7
YCM1-1250M	210	406	141	140	-	715	193	60	70	375	11

Overall and mounting dimensions(mm)



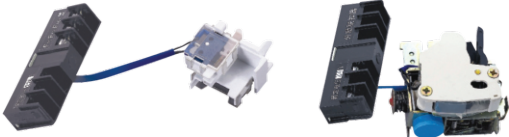
Distribution Apparatus

YCM1 MCCB

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

Distribution Apparatus

YCM1 MCCB

Under voltage release	Rated working voltage Ue V	AC230V AC400V
	Acting voltage V	(0.35-0.7)Ue
	Reliable close voltage V	(0.85~1.1)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 Inm	Rated thermal current Ith
	Inm≤225	3A
	Inm≥400	6A