



Moulded Case Circuit Breaker

1. General

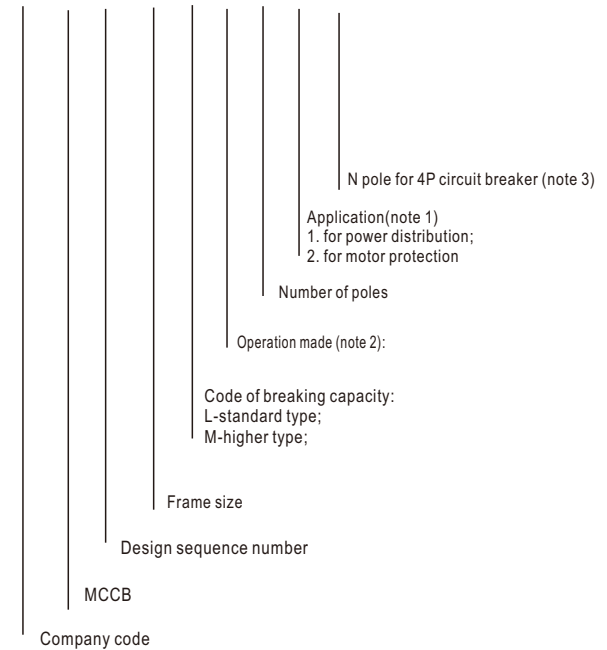
1.1 Certificates: KEMA, UKRSEPRO, EAC, RCC, EK;

1.2 Electric ratings: AC 690V50/60HZ, 10-1250A;

1.3 Mounting mode: Vertical and horizontal;

1.4 Standard: IEC/EN60947-1, GB/T14048.1 general

2.Type designation



3. Note

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;

4.Function and features

1. Temperature: -5°C~+40°C; the average value within 24h shall not exceed +35°C. For the circuit breaker with thermal-magnetic release, +40°C is set to be the standard temperature for ratings. For temperature not between -5°C~+40°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;

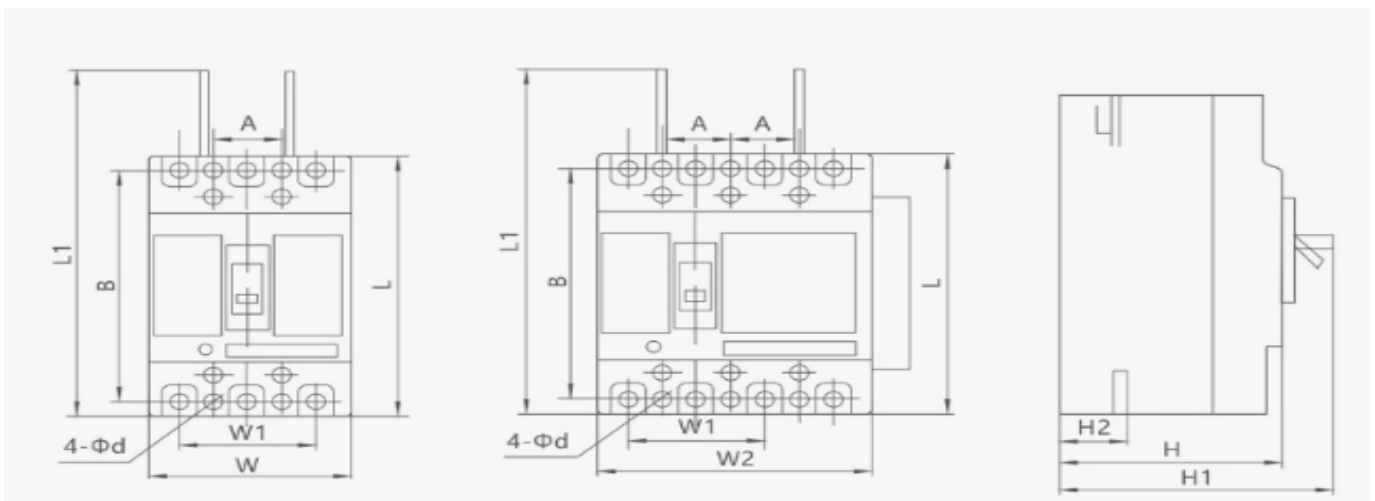
4. Air conditions:
 At mounting site, relative humidity not exceed 50% at the max temperature of +40°C, higher relative humidity is allowable under lower temperature. For example, RH could be 90% at +20°C, special measures should be taken to occurrence of dews.

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5. Specifications

Type		JCM1-63	JCM1-125		JCM1-160	JCM1-250		JCM1-400		JCM1-630		JCM1-800	JCM1-1250	
Poles	p	3,4	2,3,4		3P	2,3,4		3	4	3	4	3,4	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	
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		M	L	M	L	L	M	L	M	L	M	M	M	
Limit short-circuit breaking capacity Icu	kA	400V	50	35	50	50	35	50	50	65	50	65	75	85
	690V		8	10	10	8	10	10	20	10	20	30	25	
Working short-circuit breaking capacity Ics	kA	400V	25	22	25	25	22	25	35	42	35	42	50	42.5
	690V		4	5	5	4	5	5	10		5	15	12.5	
Arcing distance	mm	50						100						
Operating frequency	Electrical life	1500	1500	1500	1500	1000	1000	1000	1000	500	500			
	mechanical life	8500	8500	8500	8500	7000	4000	4000	4000	2500	2400			

6. Overall and mounting dimension (mm)



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Frame current	Rated current(A)	Rated current of N phase (A)
125	16	16
	20	20
	25	25
	32	32
	40	40
	50	50
	63	63
	80	63
	125	63
250	100	100
	125	100
	140	100
	160	100
	180	100
	200	100
	250	125
400	225	225
	250	225
	315	225
	350	250
	400	250
630	400	250
	500	400
	630	400
800	630	500
	700	500
	800	500

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Model	Power on current	Total power lose of 3/4 poles (W)	
		Front and rear wiring	Plug in buckle connection
JCM1-63 Direct heating type(10~25A)	25	2.6	2.7
JCM1-125 Direct heating type(10~25A)	25	1.7	1.8
JCM1-63 Intermittent heating type(32~63A)	63	16.7	16.8
JCM1-125 Intermittent heating type(32~125A)	125	27	27.2
JCM1-250	250	33.4	33.6
JCM1-400	400	48	48.2
JCM1-630	630	107.2	107.4
JCM1-800	800	96	73.7