

JM1 Series MCCB



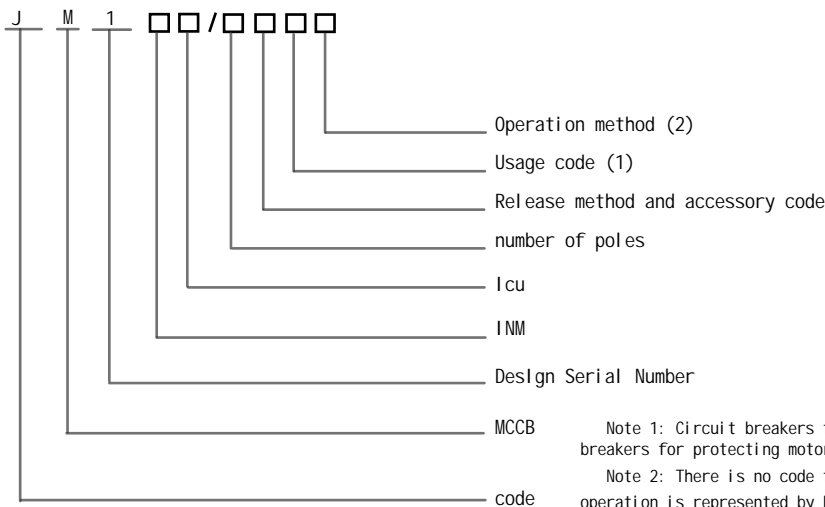
1、Purpose and Scope of Application

Plastic shell circuit breaker (hereinafter referred to as circuit breaker) is one of the new types of circuit breakers developed by our company using international advanced design and manufacturing technology. According to its rated limit short-circuit breaking capacity (LCU), it is divided into four categories: C type (basic type), L type (standard type), M type (higher breaking type), and H type (high breaking type). This product has the characteristics of small volume, high breaking height, short flying arc, and anti vibration, making it an ideal product for land and ship use. Its rated insulation voltage is 800V (JM1-63 is 500V), suitable for infrequent switching and infrequent motor starting in circuits with AC 50Hz, 690V and below. The circuit breaker has overload, short circuit, and undervoltage protection devices, which can protect the circuit and power equipment from damage.

This product can be installed vertically or horizontally.

This product meets the standards of IEC60947-2 and GB14048.2.

2、Model and meaning



Note 1: Circuit breakers for distribution do not have a code: Circuit breakers for protecting motors are represented by 2.

Note 2: There is no code for direct operation of the handle: electric operation is represented by P.

Accessory Name	No accessories	Alarm contact	Separator	Auxiliary contact	Lack of voltage separator	Auxiliary contact of separator	Lack of voltage separator	Two sets of auxiliary contacts	Lack of auxiliary contacts for voltage separator
Separation method for exceeding current	Code	Code	Code	Code	Code	Code	Code	Code	Code
Instantaneous separator	200	208	210	220	230	240	250	260	270
Duplex separator	300	308	310	320	330	340	350	360	370
Accessory Name	Alarm contact for separator		Auxiliary contact Alarm contact		Lack of voltage separator Alarm contact	Separate auxiliary contacts Alarm contact	Lack of voltage separator Alarm contact	Two sets of auxiliary contacts Alarm contact	Auxiliary contact lacking voltage separator Alarm contact
Separation method for exceeding current	Code		Code		Code	Code	Code	Code	Code
Instantaneous separator	218		228		238	248	258	268	278
Duplex separator	318		328		338	348	358	368	378

3、Specifications

According to the rated current (A) of the overcurrent release, JM1-63 is divided into nine levels: (6), 10, 16, 20, 25, 32, 40, 50, and 63A; JM1-100 has ten levels of (10), 16, 20, 25, 32, 40, 50, 63, 80, and 100A; JM1-225 has seven levels: 100, 125, 140, 160, 180, 200, and 225A; JM1-400 has five levels: 225, 250, 315, 350, and 400A; JM1-630 has three levels of 400, 500, and 630A; JM1-800 has three levels: 630, 700, and 800.

Note 1: 6A specification only has electromagnetic (instantaneous) type; () is not a recommended specification.

4、Main technical parameters

1、The thermal motion separator of the circuit breaker has anti time limiting characteristics, and the electromagnetic separation is an instantaneous action. The characteristics are shown in the table (for distribution).

Separator Rated current (A)	Thermal motion separator(Ambient temperature+40°C)			Electromagnetic separator Action current(A)
	1.05In(Cold state) No action time(h)	1.30n(Cold state) No action time(h)	3.0InReturn characteristic current Returnable time(s)	
10≤In≤63	1	1	5	10In±20%
63<In≤100	2	2	8	
100<In≤800	2	2	12	10In±20%和 5In±20%