

M2 (HBM1) Moulded Case Circuit Breaker



1. Application

M2 series moulded case circuit breaker is one of products developed and manufactured by adopting international advanced technology. It is supplied with rated insulating voltage 800V and used for circuit of A.C. 50Hz, rated operating voltage AC 400V (or below), rated operating current up to 800A for infrequent changing over and starting of the motors. The products conform to IEC60947-2 standard.

2. Main technical parameter

Table 1

Type	Rated current (A)	Pole number	Rated insulating voltage (V)	Rated operating voltage (V)	Arcing-over distance (mm)	Ultimate short circuit breaking capacity (KA)	Services short circuit breaking capacity (KA)	Operation performance		Utilization category	
								Load	Unload		
M2-63L	(6), 10, 16, 20, 25, 32, 40, 50, 63	3, 4	500V	400V	0	25	18	1500	8500	A	
M2-63M					0	50	35				
M2-100L	(10), 16, 20, 25, 32, 40, 50, 63, 80, 100				0(≤ 50)	35	22				
M2-100M					0(≤ 50)	50	35				
M2-100H					0(≤ 50)	85	50				
M2-225L					≤ 50	35	22				
M2-225M	100, 125, 160, 180, 200, 225		≤ 50	50	35	1000	7000				
M2-225H			≤ 50	85	50						
M2-400L	225, 250, 315, 350, 400		3	800V	400V	≤ 50	50	35	1000		4000
M2-400M						≤ 100	65	42			
M2-630L		≤ 100				50	35				
M2-630M	≤ 100	65				42					
M2-630H	≤ 100	100				65					
M2-800M	630, 700, 800	≤ 100				75	50				
M2-800H		≤ 100		100	65						
M2-1250M		≤ 100		100	65						
M2-1250H		≤ 100		125	75						

Note: 6A no thermal protection

The N-pole of four-poles breaker is sified at the right side of the product has four types:

Type A: No current trip-lease on N pole which making all the time, not closing and opening with the other three poles.

Type B: No current trip-release on N pole which closing and opening with the other poles.

Type C: With current trip-release which closing and opening with the other three poles.

Type D: With current frip-release which making all the time not closing and opening with the other three poles.