

# LM1 Series Moulded Case Circuit Breaker



LM1-63M/3P



LM1-63M/4P



LM1-100M/3P



LM1-225M/3P

## Application

LM1 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 conforms to IEC60947-2 standard.

## Main Technical Specification

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)	Series short circuit breaking capacity (KA)	Operation performance		Utilization category
								Load	Unload	
LM1-63L	(6),10,16,20,	3,4	500V	400V	0	25	18	1500	8500	A
LM1-63M	25,32,40,50,63				0	50	35			
LM1-100L	(10),16,20,25,				0(≤50)	35	22			
LM1-100M	32,40,50,63,				0(≤50)	50	35			
LM1-100H	80,100				0(≤50)	85	50			
LM1-225L	100,125,160,				≤50	35	22			
LM1-225M	180,200,225		≤50		50	35				
LM1-225H			≤50		85	50				
LM1-400L	225,250,315,		≤50		50	35				
LM1-M	350,400		≤100		65	42				
LM1-630L	400		≤100		50	35				
LM1-630M	500		≤100		65	42				
LM1-630H	630	≤100	100	65						
LM1-800M	630,700,800	≤100	75	50						
LM1-800H		≤100	100	65						
LM1-1250M	1000,1250	≤100	100	65						
LM1-1250H		≤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 trip-release which making all the time not closing and opening with the other three poles.

## Protection characteristic

The thermodynamic release of a circuit breaker provides the feature of inverse time-delay, while the magnetic release is the instantaneous operation as shown on table 2(distribution circuit breaker) and table 3(motor protection circuit breaker).