



MLM1 series Moulded Case Circuit Breaker



Model		MLM1-63			MLM1-125				MLM1-225					MLM1-250					
Number of poles		3	4	2	3			4	2	3			4	2	3			4	
Frame size current		63			125				225					250					
Rated current(A)		10,16,20,25,32,40,50,63				16,20,25,32,40,50,63,80,100				100,125,160,180,200,225					200,225,250				
Rated insulation voltage(V)		500			800				800					800					
Rated operational voltage(V)		380/400/415			380/400/415/690				380/400/415/690					380/400/415/690					
Arcing distance (mm)		≤50			≤50				≤50					≤50					
Breaking capacity code		S	H	H	H	S	H	R	H	H	S	H	R	H	H	S	H	R	H
Frame size rated current(A)		63	63	63	100	100	100	100	100	255	255	255	255	255	250	250	250	250	250
Ultimate short-circuit breaking capacity Icu (kA,RMS)	AC 380V/400V/415V	15	35	35	50	25	50	65	50	50	25	50	65	50	50	25	50	65	50
	AC 690V	-	-	-	8	3	8	10	8	8	5	8	10	8	8	5	8	10	8
Service short-circuit breaking capacity Ics (kA,RMS)	AC 380V/400V/415V	7.5	17.5	17.5	25	12.5	25	32.5	25	25	12.5	25	32.5	25	25	12.5	25	32.5	25
	AC 690V	-	-	-	4	1.5	4	5	4	4	2.5	4	5	4	4	2.5	4	5	4
Fixed type		■			■				■					■					
Rear connection		■			■				■					■					
Plug in type		■			■				■					■					
Shunt release		■			■				■					■					
Under-voltage release		■			■				■					■					
Auxiliary contact		■			■				■					■					
Alarm contact		■			■				■					■					



Model		MGM1-400				MGM1-630				MGM1-800			MGM1-1250
Number of poles		3		4		3		4		3		4	3
Frame size current		400				630				800			1250
Rated current(A)		225,250,315,350,400				400,500,630				630,700,800			700,800,1000,1250
Rated insulation voltage(V)		800				800				500			500
Rated operational voltage(V)		380/400/415/690				380/400/415/690				380/400/415			380/400/415
Arcing distance (mm)		≤100				≤100				≤100			≤100
Breaking capacity code		S	H	R	S	S	H	R	S	H	R	H	H
Frame size rated current(A)		400	400	400	400	630	630	630	630	800	800	800	1250
Ultimate short-circuit breaking capacity	AC 380V/400V/415V	35	50	70	35	35	50	70	50	60	70	60	65
	Icu (kA,RMS)	AC 690V	10	12	15	10	12	13		12	-	-	-
Service short-circuit breaking capacity	AC 380V/400V/415V	17.5	25	35	17.5	17.5	26	35	26	30	35	30	32.5
	Ics (kA,RMS)	AC 690V	5	6	7.5	5	6	6.5		6	-	-	-
Fixed type		■				■				■			■
Rear connection		■				■				■			■
Plug in type		■				■				■			■
Shunt release		■				■				■			■
Under-voltage release		■				■				■			■
Auxiliary contact		■				■				■			■
Alarm contact		■				■				■			■



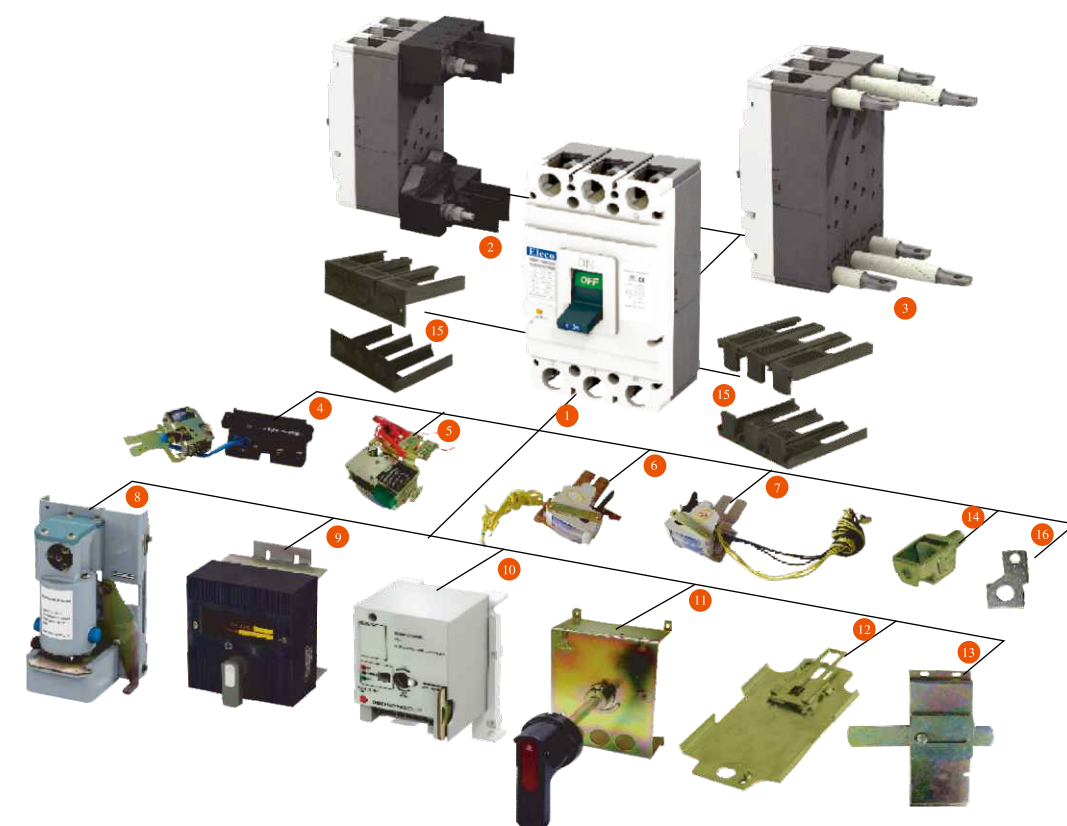
Release

Inverse time breaking action property of the over current releasing of the breaker (for power distribution) at the status that all poles are electrified simultaneously

NO.	Test current	I/In	Conventional time	Initial status
1	Conventional non-trip current	1.05	2h(In>63A),Ih(In≤63A)	Cold status
2	Conventional trip current	1.30	2h(In>63A),Ih(In≤63A)	Right after test no. 1

Inverse time-delay breaking action property of the over current releasing of the breaker(for motor protection) at the status that all poles are electrified simultaneously(conforms to IEC60947-3)

Serial No.	Setting current	Conventional time	Start-up status	Remark
1	1.0In	>2h	Cold status	
2	1.2In	≤2h	Right after test number 1	
3	1.5In	≤4min	Cold status	10≤In≤225
		≤8min	Cold status	225≤In≤630
4	7.2In	4s≤t≤10s	Cold status	10≤In≤225
		6s≤t≤20s	Cold status	225≤In≤630



- 1.Body(fixed type)
- 2.Plug-in type
- 3.Rear connection
- 4.Under-voltage release
- 5.Shunt release
- 6.Alarm contact
- 7.Auxiliary contact
- 8.Motor operation mechanism

- 9.Magnetic operation mechanism
- 10.Motor operation mechanism
- 11.Operation with handle
- 12.DIN rail adaptor
- 13.Mechanical interlock
- 14.Boxing terminal
- 15.Front connection plate
- 16.Terminal shield