

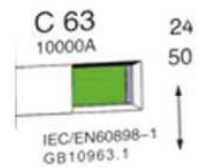
Fit for various connection

Choice to use Busbar or cable in the same terminal, provides reliable connection



Din Rail Mounting

Two step snapping mechanism for easy & efficient mounition in 35mm DIN Rail steadily



Red/Green indication

Clear indication of the ON/OFF switch status

High breaking capacity:

- IEC 60898 10KA
- MCB can 100% pass 10KA
- Over 20,000 cycles mechanical and electrical endurance operation

HLM1-63(10KA) MCB



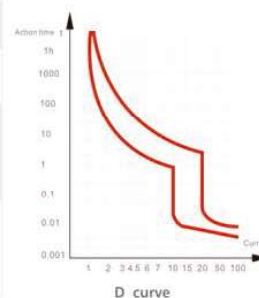
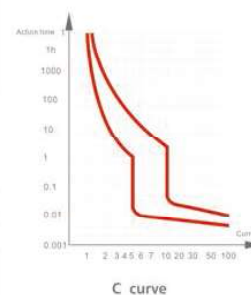
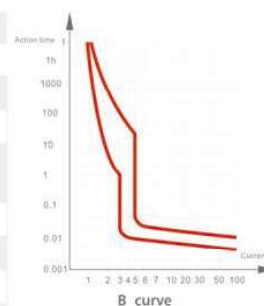
HLM1-63

MINIATURE CIRCUIT BREAKER



Technical Data

Rated current (I_n)	1-63A
Poles	1P 2P 3P 4P
Rated voltage (U_e)	1P: 240/415V~ 2/3/4P: 415V~
Insulation voltage (U_i)	500V
Rated frequency	50/60Hz
Rated breaking capacity (I_{cn})	10KA
Rated operating short circuit breaking capacity (I_{cs})	7.5KA
Energy limiting class	3
Tripping curve	B C D
Electrical and Mechanical life	20000



Overload Current Protection Characteristics

Test Procedure	Type	Test Current	Initial State	Tripping or Non-tripping Time Limit	Expected Result	Remark
A	B, C, D	1.13 I_n	cold	$t \leq 1h$	no tripping	
B	B, C, D	1.45 I_n	after test A	$t < 1h$	tripping	The current steadily rise to the specified value within 5s
C	B, C, D	2.55 I_n	cold	$1s < t < 60s (I_n \leq 32A)$ $1s < t < 120s (I_n > 32A)$	tripping	
D	B	3 I_n	cold	$t \leq 0.1s$	no tripping	Turn on the auxiliary switch to close the current
	C	5 I_n				
	D	10 I_n				
E	B	5 I_n	cold	$t < 0.1s$	tripping	Turn on the auxiliary switch to close the current
	C	10 I_n				
	D	20 I_n				

HLM1-63

MINIATURE CIRCUIT BREAKER

Installation

Contact position indicator	Yes
Protection degree	IP20
Reference temperature for setting of thermal element	30°C
Ambient temperature	-5~+40°C and its average over a period of 24h does not exceed +35°C
Storage temperature	-25~+70°C
Terminal connection type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	25mm ²
Tightening torque	2.5N.m
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	Top and bottom

Combination with accessories

Auxiliary contact	YES
Alarm contact	YES
Shunt release	YES
Under voltage release	YES

Overall and mounting dimensioned chart

