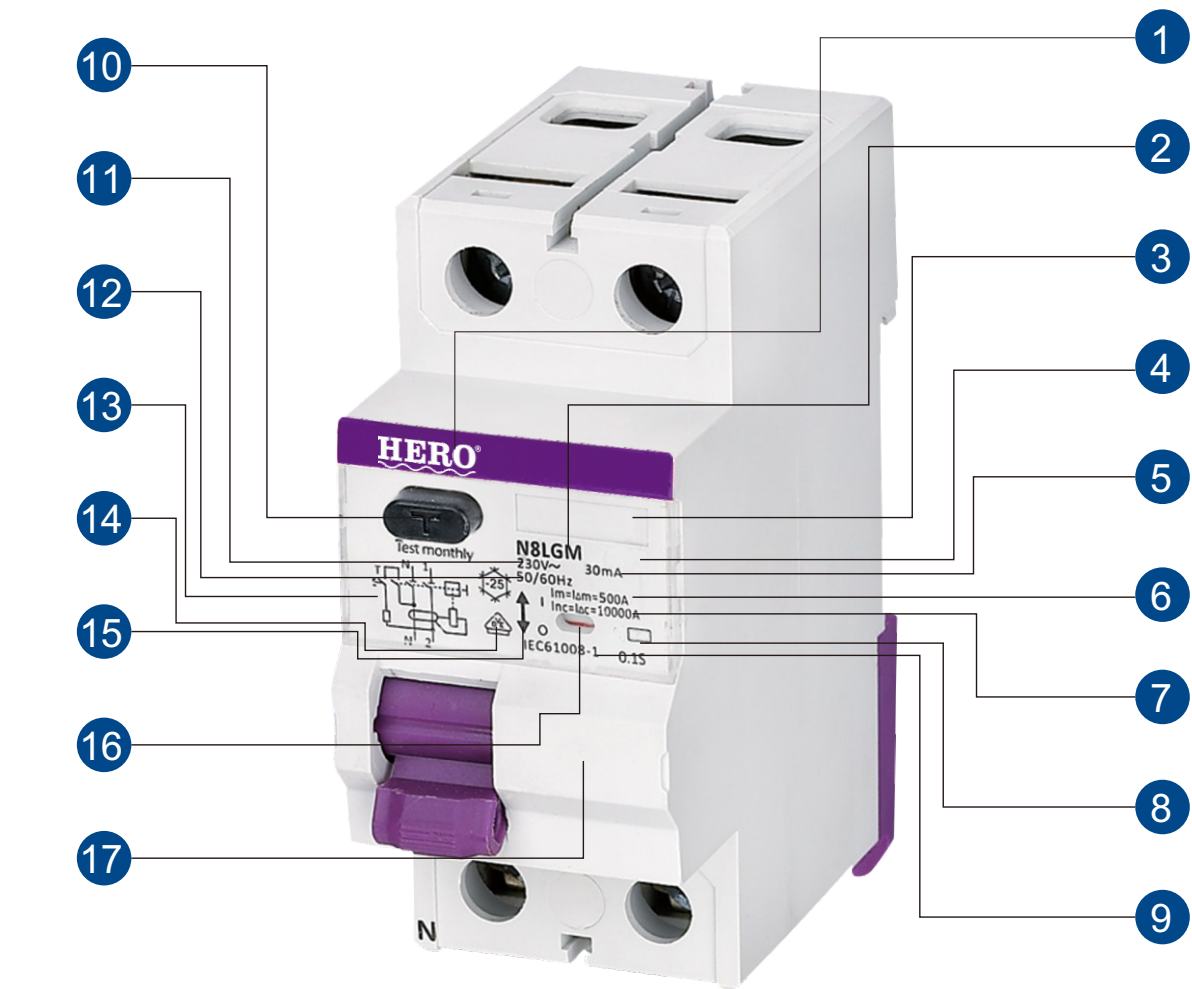


Appearance



1. Brand

2. Model

3. Loop Circuit Marking Area

4. Rated current

5. Rated residual operating current

6. Rated residual making and breaking capacity I Δ m(A)

7. Rated conditional short-circuit current

8. Type of residual current

9. Standard
10. Test bottom

11. Rated voltage

12. Rated frequency

13. Electric Wiring Chart

14. Certification mark

15. Making and breaking mark

16. Indication window

17. Power indication

Overview

Advanced Human Engineering and Detail-oriented

This product adopts simple outline and distinctive design concepts.On the front side it adopts transparent cover protection mark. The side texture is mainly line-plane comparison arrangement, which brings perfect appearance to N8 series products.

Application

- N8LGM Series residual current operated circuit-breaker complies with IEC/EN61008-1 and GB16916.1.
- It is suitable in the circuit of AC 50/60Hz, rated voltage 230V/400V, ratedcurrent up to 100A and is suitable for eath leakage and isolation of circuit, motor and equipment etc..
- It is suitable in terminal distribution field such as industry, Building for civil use, energy and infrastructure.

Electnomagnetic

RCCB functionally independent on line voltage.

Leaking current Fault Tripping Indication window

- The indication window becomes red when the circuit breaker trips because of earth fault.
- The indication window becomes its original when the circuit breaker is in normal state.

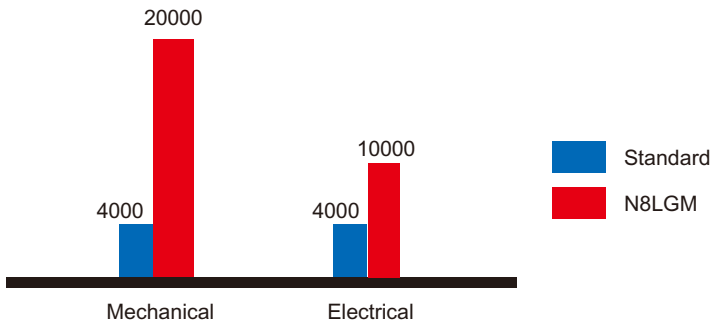
Power indicator

The red indication light means power has been connected when residual current operated circuit breaker is in normal state.

Locking Slot

Operation handle is equipped with safety locking slot in order to make ciruit breaker fixed at the required place and avoid maloperation.

Excellent Operation performance:



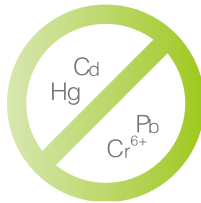
Overview

Convenient installation and wiring

Wiring capacity complies with the requirement of GB and IEC standard and can reach 35mm², terminal torque can reach 4Nm. Installation structure with special design allows installation and disassembly of circuit breaker without moving comb type or furcation type busbar, which improves the wiring efficiency.

Environment

- 100% recyclable material
- 100% complies with RoHS
- 100% complies with REACH



Characteristics

N8LGM series resudual current operated circuit-breaker can realize:

- Offer physical protection at the time of direct contact(≤ 30mA)
- Offer physical protection at the time of indirect contact(≥ 100mA)
- Offer protection against insulation fault of electrical equipment with much more electronic element.(fault current has impulse DC component)

Type of residual current

Type AC Tripping can be ensured for suddenly added and slowly rising residual sine AC current.

Type A Tripping can be ensured for suddenly added and slowly rising residual sine AC current and residuak impulse DC current.

Standards

Conforms to IEC/EN 61008-1 and GB16916.1 standards

Selection

Order to indicate	N8LGM	2P	63A	A	30mA
	Product code	Poles	Rated current	Type of residual current	Rated residual operated current
	Residual circuit operated breaker (electronic)	2P, 4P	25A, 40A, 63A, 80A, 100A	Blank: Type AC A: TypeA	10, 30, 100, 300, 500mA

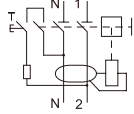
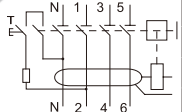
Parameters list

Poles		
CE 		
Electrical properties		
Function	Protection against leakage, isolation and control	
Rated frequency (Hz)	50/60	
Rated working voltage Ue(VAC)	230/400	
Rated current In(A)	25、40、63、80、100	
Rated insulation voltage Ui(V)	500	
Impulse withstand voltage Uimp(KV)	4	
Type of residual current	AC, A	
Rated residual operating current I Δ m(A)	10、30、100、300	
Rated residual making and breaking capacity I Δ m(A)	1000	
Rated conditional short-circuit current Inc(KA)	10	
Endurance (C-0 cycle)	Mechanical	20000
	Electrical	10000
Connection and installation		
Protection degree	IP20	
Handle lock	ON/OFF position	
Connection capability	1~35mm²	
Application Ambient Temperature (°C)	-5°C ~+40°C	
Humidity and heat resistance	2	
Altitude	below 2000m	
Relative humidity of air	below 95%	
Pollution degree	2	
Installation environment	Avoid obvious vibration and shock	
Installation Category	II, III	
Mounting	On DIN rail	
Weight	0.2	0.37

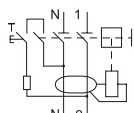
■ Standard configuration □ Optional — None

Specification Code

N8LGM Series residual current operated ciuit-breaker (Type AC)

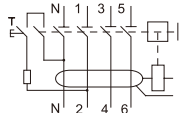
Type	Width (mm)	Rated current (A)	Rated voltage (VAC)	Rated residual operated current (mA)	Specification Code
2P 	36	25	230	10	N8LGM 2P 25A 10mA
	36	25	230	30	N8LGM 2P 25A 30mA
	36	40	230	10	N8LGM 2P 40A 10mA
	36	40	230	30	N8LGM 2P 40A 30mA
	36	40	230	100	N8LGM 2P 40A 100mA
	36	40	230	300	N8LGM 2P 40A 300mA
	36	63	230	30	N8LGM 2P 63A 30mA
	36	63	230	100	N8LGM 2P 63A 100mA
	36	63	230	300	N8LGM 2P 63A 300mA
	36	80	230	30	N8LGM 2P 80A 30mA
	36	80	230	100	N8LGM 2P 80A 100mA
	36	80	230	300	N8LGM 2P 80A 300mA
	36	100	230	30	N8LGM 2P 100A 30mA
	36	100	230	100	N8LGM 2P 100A 100mA
	36	100	230	300	N8LGM 2P 100A 300mA
					
4P 	72	25	400	30	N8LGM 4P 25A 30mA
	72	40	400	30	N8LGM 4P 40A 30mA
	72	40	400	100	N8LGM 4P 40A 100mA
	72	40	400	300	N8LGM 4P 40A 300mA
	72	63	400	30	N8LGM 4P 63A 30mA
	72	63	400	100	N8LGM 4P 63A 100mA
	72	63	400	300	N8LGM 4P 63A 300mA
	72	80	400	30	N8LGM 4P 80A 30mA
	72	80	400	100	N8LGM 4P 80A 100mA
	72	80	400	300	N8LGM 4P 80A 300mA
	72	100	400	30	N8LGM 4P 100A 30mA
	72	100	400	100	N8LGM 4P 100A 100mA
	72	100	400	300	N8LGM 4P 100A 300mA
					

N8LGM Series residual current operated ciuit-breaker (Type A)

Type	Width (mm)	Rated current (A)	Rated voltage (VAC)	Rated residual operated current (mA)	Specification Code
2P 	36	25	230	10	N8LGM 2P 25A A10mA
	36	25	230	30	N8LGM 2P 25A A30mA
	36	40	230	10	N8LGM 2P 40A A10mA
	36	40	230	30	N8LGM 2P 40A A30mA
	36	40	230	100	N8LGM 2P 40A A100mA
	36	63	230	30	N8LGM 2P 63A A30mA
	36	63	230	100	N8LGM 2P 63A A100mA
	36	80	230	30	N8LGM 2P 80A 30mA
	36	80	230	100	N8LGM 2P 80A A100mA
	36	100	230	30	N8LGM 2P 100A A30mA
	36	100	230	100	N8LGM 2P 100A A100mA
					

Specification Code

N8LGM Series residual current operated ciuit-breaker (Type A)

Type	Width (mm)	Rated current (A)	Rated voltage (VAC)	Rated residual operated current (mA)	Specification Code
4P 	72	25	400	30	N8LGM 4P 25A A30mA
	72	40	400	30	N8LGM 4P 40A A30mA
	72	40	400	100	N8LGM 4P 40A A100mA
	72	63	400	30	N8LGM 4P 63A A30mA
	72	63	400	100	N8LGM 4P 63A A100mA
	72	80	400	30	N8LGM 4P 80A A30mA
	72	80	400	100	N8LGM 4P 80A A100mA
	72	100	400	30	N8LGM 4P 100A A30mA
	72	100	400	100	N8LGM 4P 100A A100mA
					

Appearance and Installation Dimensions

