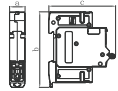
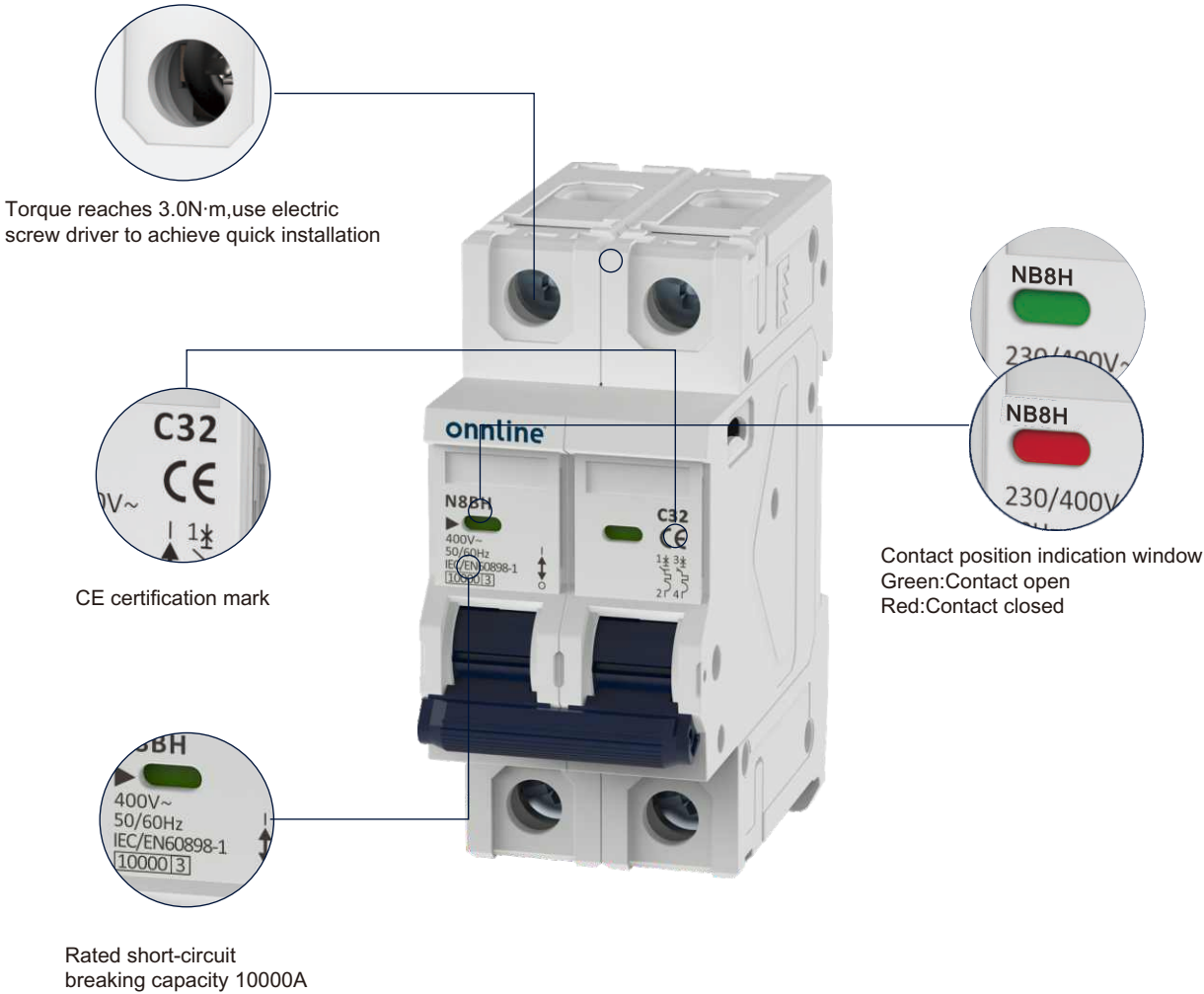


Model		N8BH	
IEC/EN 60947-3			
Poles		1P, 2P, 3P, 4P	
Certification		CCC CE	
Electrical Specification			
Rated current(A)	In	1-63	
Rated frequency(Hz)		50/60	
Rated working voltage(V)	Ue	1P:230/400~、2/3/4P:400~	
Rated insulated voltage(V)	Ui	500	
Impulse withstand voltage(kV)	Uimp	4	
Rated short-time withstand current(KA)	Icw	10	
Instantaneous tripping type			
Maximum working voltage	Umax	1P:240、2/3/4P:440	
Dielectric test voltage(kV)		2	
Service life	Mechanical	Standard value	10000
(O-C)	Electrical	Standard value	6000
Control And Indication			
Shunt release(SHT)		□	
Undervoltage release(UVT)		□	
Auxiliary contact(AUX)		□	
Alarm contact(ALT)		□	
Contact position indicator		□	
Fault indication		□	
Connection And Installation			
Ambient temperature(with daily average ≤35℃)		-5℃ ~+40℃	
Protection degree	ALL Sides	IP40	
	Connection Terminal	IP20	
Wire(mm ²)		1-16	
busbar(mm ²)		16	
Mounting		On DIN rail	
Pollution degree		2	
Reference temperature for setting of thermal element(℃)		30	
Storage temperature(℃)		-25℃ ~+70℃	
Tightening torque		2	
Connection		Top and Bottom	
Dimensions(mm) (WxHxL)		a(1P/2P/3P/4P)	27/54/81/108
		b(1P/2P/3P/4P)	87/87/87/87
		c(1P/2P/3P/4P)	78/78/78/78
Weight(kg)	1P	0.19	
	2P	0.38	
	3P	0.57	
	4P	0.76	

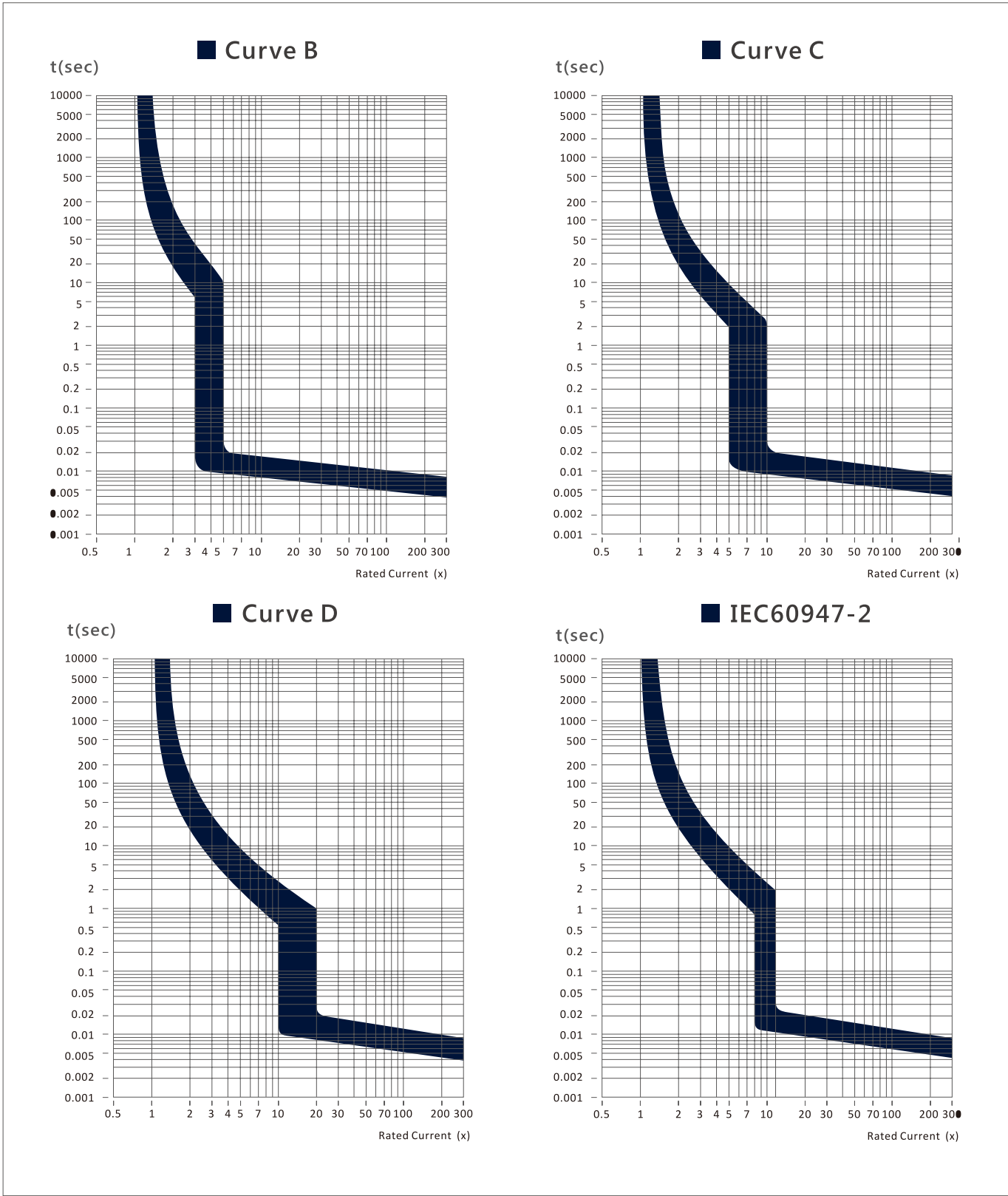
■ Default □ Optional -None



Normal Working Conditions and Installation Conditions:

- ◆ Ambient Temperature: -5℃ ~+40℃ , it's average over a period of 24 hours does not exceed +35℃ .
- ◆ Height above Sea Level: ≤ 2000m.
- ◆ Atmospheric Condition:
 - When the maximum temperature is +40℃ , the relative humidity of the air is not exceed 50%, and it has higher humidity at lower temperature. The maximum monthly relative humidity is90%, and the lowest temperature is +20℃ . Additionally , a frost might be present, with the temperature change.
 - Pollution Degree: UB7N,N8DN/H,N8BN/H,N8G:2;N8SG:3.
- ◆ Installation Conditions:
 - Installation Category and Type: Installation category is II or III, and the installation type adopts standard steel guide rail installation (TH35-7.5).
 - The circuit breaker shall be installed vertically , and the upward position of the handle shall be connected to the power .
 - The instalation should be free from obvious impact and vibration, corrosive and explosive gases.

Characteristics Curve



Time-current operating characteristics

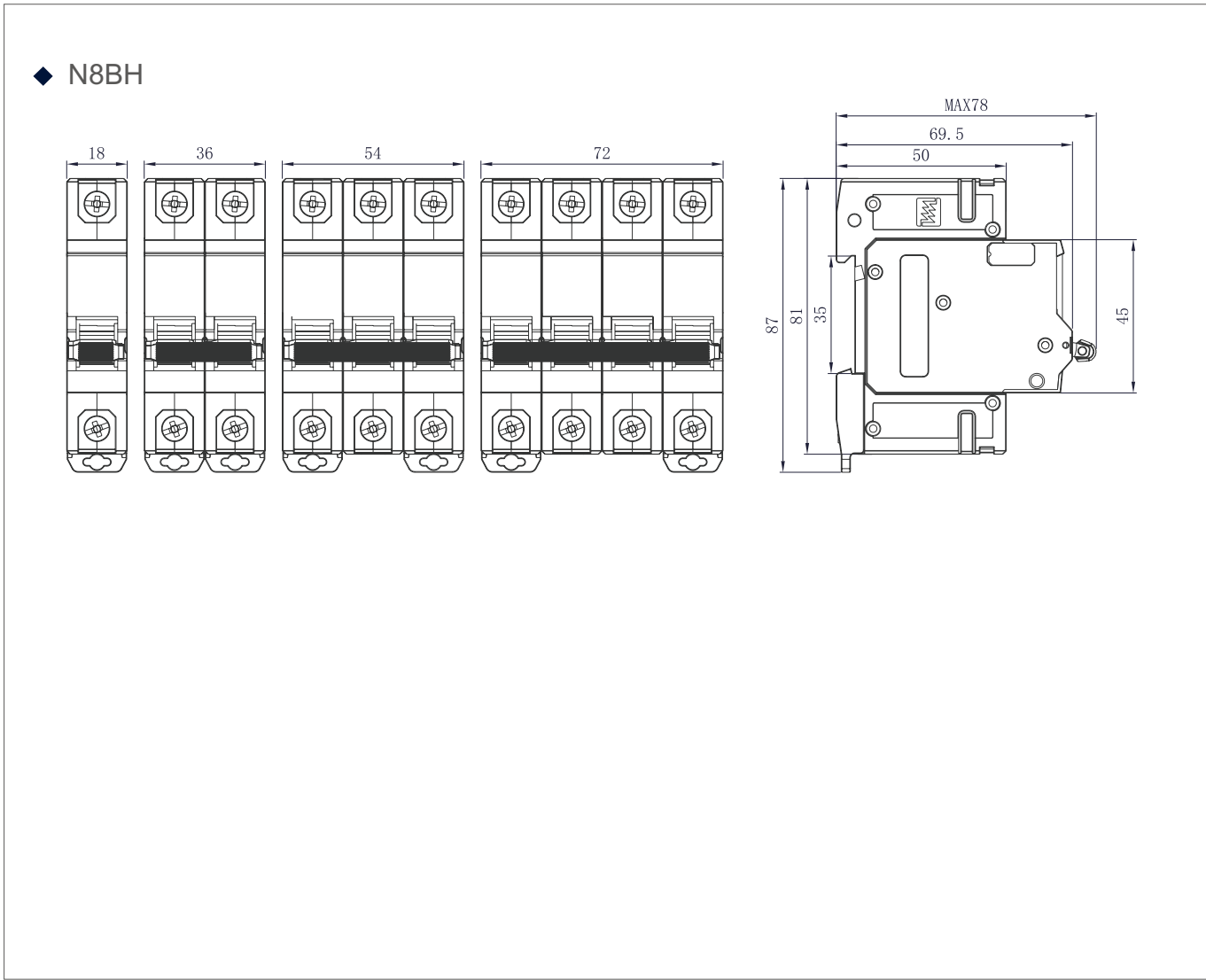
Test	Type	Test current	Initial condition	Limits of tripping or non-tripping time	Result to be obtained	Remarks
a	B, C, D	1.13I _n	Cold ^a	t ≤ 1h(for I _n ≤ 63A) t ≤ 2h(for I _n > 63A)	No tripping	
b	B, C, D	1.45I _n	Immediately following test	t < 1h(for I _n ≤ 63A) t < 2h(for I _n > 63A)	Tripping	Current steadily increased within 5s
c	B, C, D	2.55I _n	Cold ^a	1s < t < 60s (for I _n ≤ 32A) 1s < t < 120s (for I _n > 32A)	Tripping	
d	B C D	3I _n 5I _n 10I _n	Cold ^a	t ≤ 0.1s	Tripping	Current established by closing an auxiliary switch
e	B C D	5I _n 10I _n 20I _n ^b	Cold ^a	t < 0.1s	Tripping	Current established by closing an auxiliary switch

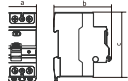
NOTE An additional test, intermediate between c and d, is under consideration for circuit-breakers of type D.

^a The term "cold" means without previous loading, at the reference calibration temperature.

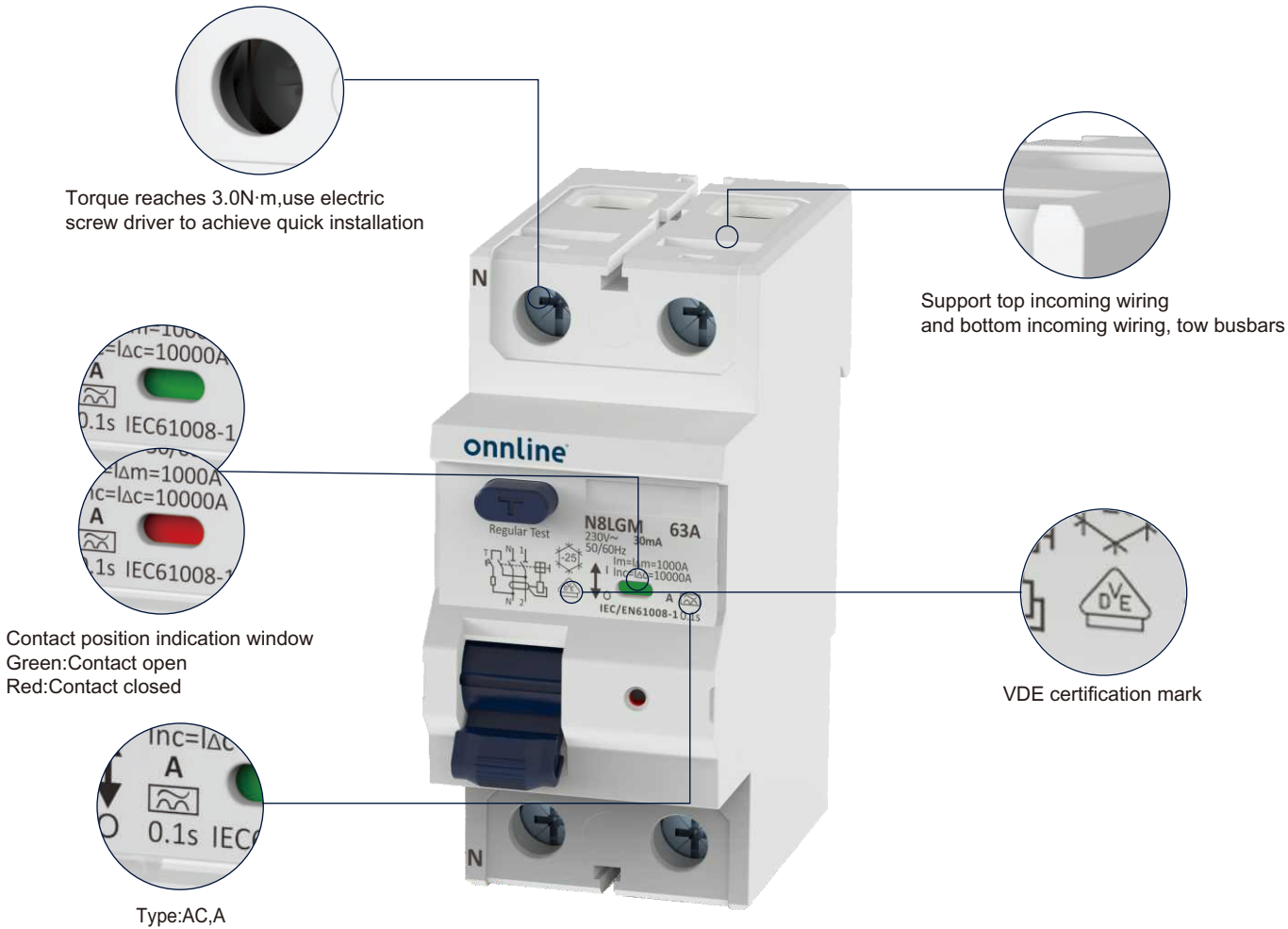
^b 50 /n for special cases.

Dimensions



Model			N8LGM
IEC/EN 61008-1			
Poles			2P, 4P
Certification			 
Electrical Specification			
Rated current(A)	In		16-100
Rated working voltage(V)	Ue		2P:230,4P:400
Rated insulated voltage(V)	Ui		500
Impulse withstand voltage(kV)	Uimp		6
Rated conditional short-circuit current	Inc		10
Rated Residual current(mA)	I Δ n		10,30,100,300
Rated Residual making and breaking capacity	I Δ m		1000
Residual current working type			AC,A
Residual current Protection type			Electromagnetic
Dielectric test voltage(kV)			2.5
Service life	Mechanical	Standard value	4000
(O-C)	Electrical	Standard value	2000
Contorl And Indication			
Shunt release(SHT)			-
Undervoltage release(UVT)			-
Auxiliary contact(AUX)			-
Alarm contact(ALT)			-
Contact position indicator			■
Fault indication			■
Connection And Installation			
Ambient temperature(with daily average ≤35℃)			-5℃ ~+40℃
Protection degree	ALL Sides		IP40
	Connection Terminal		IP20
Wire(mm ²)			35
busbar(mm ²)			35
Mounting			Cable/Busbar
Reference temperature for setting of thermal element			30
Pollution degree			2
Storage temperature (°C)			-25℃ ~+70℃
Connection			Top and bottom
Dimensions(mm) (WxHxL)		a(1P+N)	36/72
		b(1P+N)	77.5/77.5
		c(1P+N)	81/81
Weight(kg)	2P		0.213
	4P		0.34

■ Default □ Optional -None



Normal Working Conditions and Installation Conditions:

- ◆ Ambient Temperature: -5℃ ~+40℃
- ◆ Height above Sea Level: ≤ 2000m.
- ◆ Installation Category: II, III
- ◆ Pollution Degree: 2
- ◆ The installation type adopts standard steel guide rail installation (TH35-7.5).
- ◆ Installation Conditions: The external magnetic field of the installation site shall not exceed 5 -times of the earth's magnetic field in any direction. When over voltage residual current moves, the circuit breaker shall be installed vertically, and the upward position of the handle shall be connected to the power. The installation should be free from obvious impact and vibration.
- ◆ Mode of Connection: Use screws to press the wiring.

◆ N8LGM

