



NM1B Series Moulded Case Circuit Breaker

1. Application scope

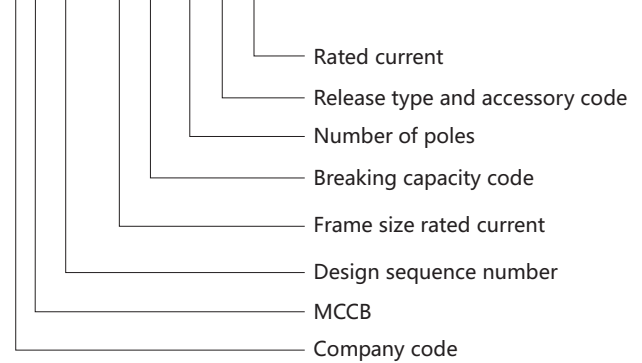
NM1B series moulded case circuit breaker has a rated insulation voltage of 800V, suitable for AC 50Hz, rated operating voltage of 415V (3P), 230V / 240V (1P), and rated operating current from 10A to 125A in the distribution network circuit. It is used to distribute electrical energy and protect lines and the power supply equipment from damages such as overload and short circuit. This circuit breaker has the characteristics of small size and short flashover, and is an ideal product for users. The circuit breaker is installed vertically, and it can also be installed horizontally. The product has isolation function. Standard: IEC 60947-2.

4. Main Technical Parameters

Model	NM1B-125C	
Number of poles	1P/3P	
Frequency (Hz)	50	
Rated operational voltage U_e (V)	1P	AC230/240
	3P	AC415
Rated insulation voltage U_i (V)	800	
Rated impulse withstand voltage U_{imp} (kV)	8	
Rated current (A)	10/16/20/25/32/40/45/50/63/80/100/125	
Rated ultimate short-circuit breaking capacity I_{cu} (kA)	1P : AC230V/240V	10
	3P : AC415V	10
Rated service short-circuit breaking capacity I_{cs} (kA)	1P : AC230V/240V	10
	3P : AC415V	10
Utilization category	A	
Mechanical life	8000	
Electrical Life	1000	
Arcing distance (mm)	50	

2. Type designation

NM 1B - 125 C / □ □ □



3. Operation and installation conditions

3.1 Setting temperature: + 50°C

3.2 Normal ambient temperature: -25°C ~ +75°C ;
Altitude: not exceed 2000m

3.3 Installation environmental conditions:

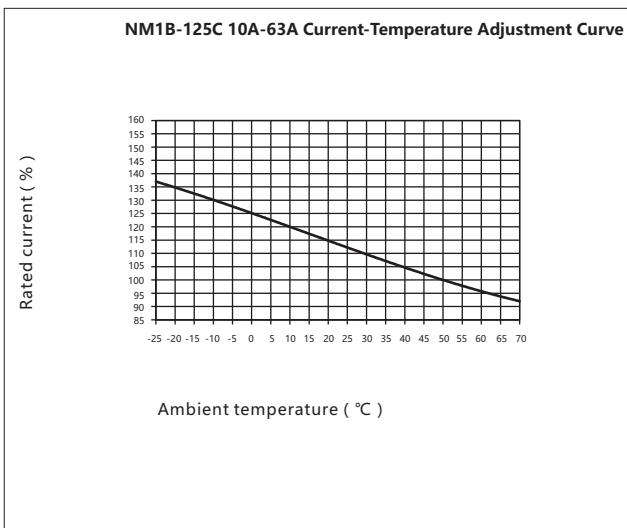
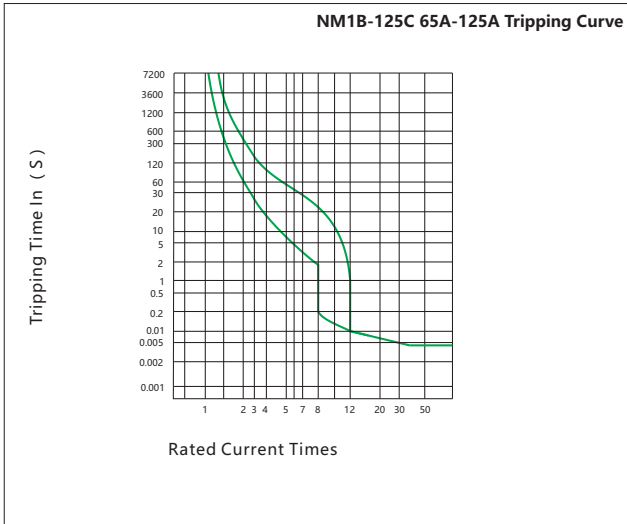
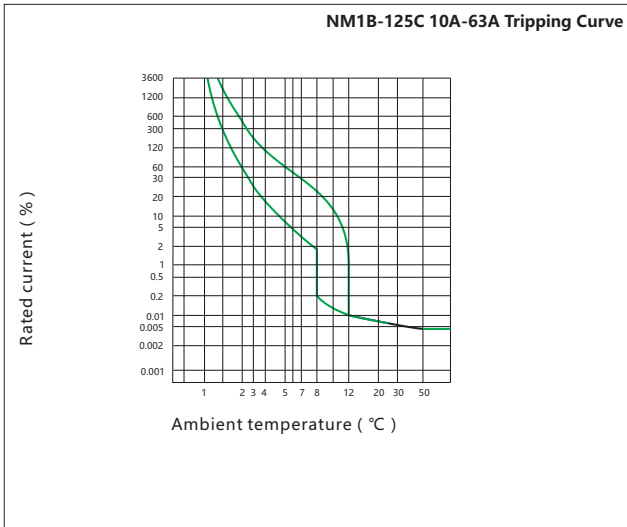
The installation place shall be free of explosion hazards and corrosive gases, and shall be protected from moisture, dust and vibration.

3.4 Pollution grade: Grade 3

3.5 Main circuit installation category: III ;

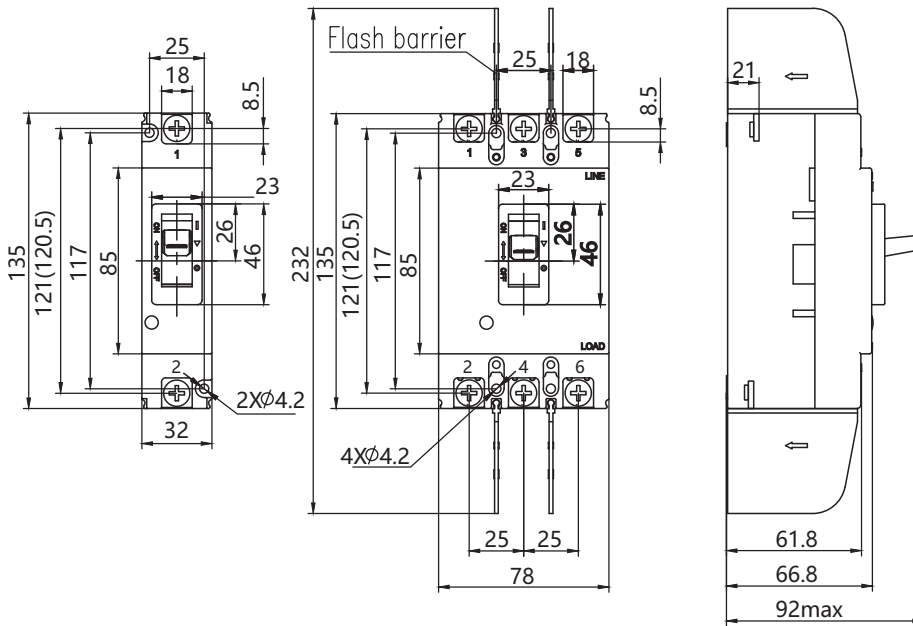
3.6 IP grade: IP30 ;

5. Curves (for power distribution, calibrated at 50°C)



6. Overall and mounting dimensions

NM1B-125C



7. Ordering information

When ordering the goods, the user shall indicate the following items :

Product model and name

Rated current (A)

Number of poles

Quantity

Example of ordering: If the ordering information is NM1B-125C/3300 100A, 100pcs, it means NM1B series MCCB, 125A of frame size current, 10kA of breaking capacity, 100A of rated current, 3P, and quantity is 100pcs.

