

PRODUCT INTRODUCTION

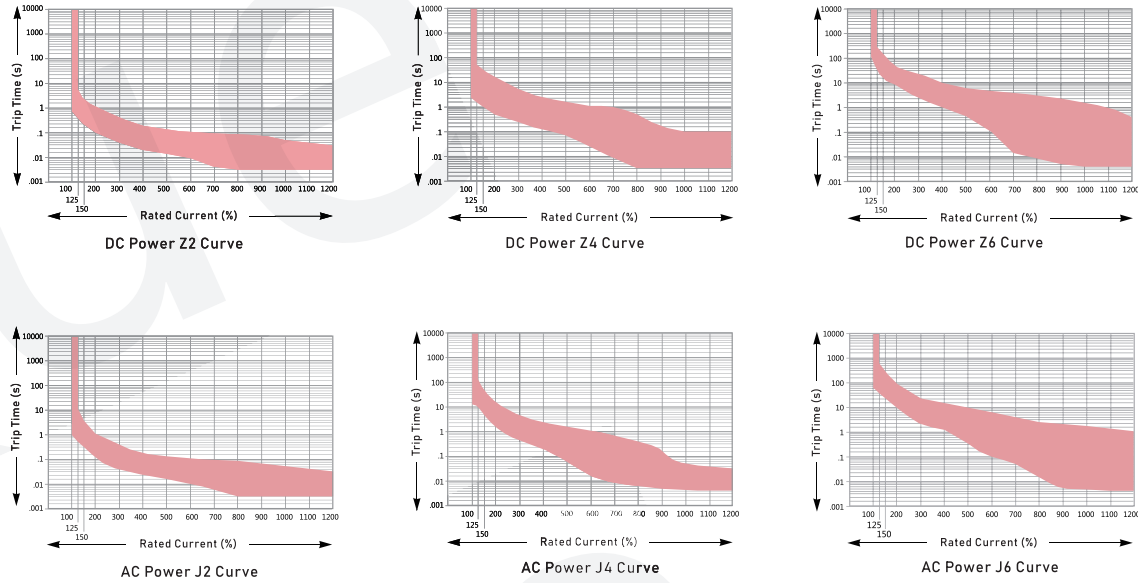
NQB1A2 series circuit breaker (hydraulic electromagnetic circuit breaker) is suitable for rated current 1A-100A, power system with rated voltage of AC230/400V (50/60Hz) or DC80V and below, used for cutting and short-circuit protection, can also be used for infrequent switching on and off. It can be widely used in Yacht, ship, computers and peripheral equipment, industrial automatic control systems, telecommunications equipment, universal power systems, UPS uninterruptible power supplies, railway locomotives, marine electrical systems, aerospace, elevator control systems and mobile power equipment.

This product complies with GB/T17701 and IEC60934 standards.

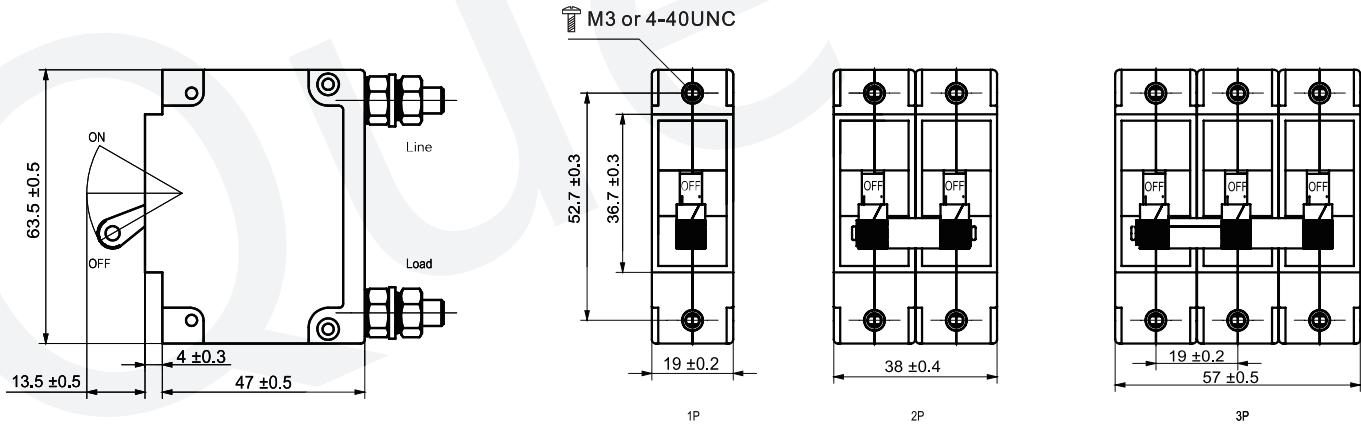
PARAMETERS

Product Model	NQB1A2-100
Electrical Characteristics	
Pole Number	1P, 2P, 3P, 4P(Customized)
Rated Current Ie (A) Support Customization of Other Currents	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63, 80, 100
Rated Voltage Ue (V)	AC: 1P(230), 2P(230/400), 3P(400), 1P(120), 2P(120/240), 3P(240) DC: 80, 60
Rated Insulation Voltage Ui (V)	690
Rated Withstand Impulse Voltage Uimp (kV)	3
Rated Circuit - breaker Breaking Capacity Icu (kA)	2
Trip Type	Electromagnetic Trip
Trip Curve	Z2 Short Delay for DC, J2 Short Delay for AC, Z4 Medium Delay for DC, J4 Medium Delay for AC, Z6 Long Delay for DC, J6 Long Delay for AC
Pollution Degree	2
Protection Functions	Overload Protection, Short Circuit Protection
Isolation Function	Available
Mechanical Characteristics	
Mechanical Service Life (Times)	10000
Electrical Service Life (Times)	6000
Operating Frequency	6/min
Operating Ambient Temperature	- 35°C - + 70°C
Storage Temperature	- 40°C - + 85°C
Installation Characteristics	
Terminal	Bolted Connection
Torque for Installing and Fixing Screws(N.m)	0.5
Torque for Wiring(N.m)	3
Installation	Panel Scews Fixing Installation
Optional Accessory	OF (auxiliary contact)

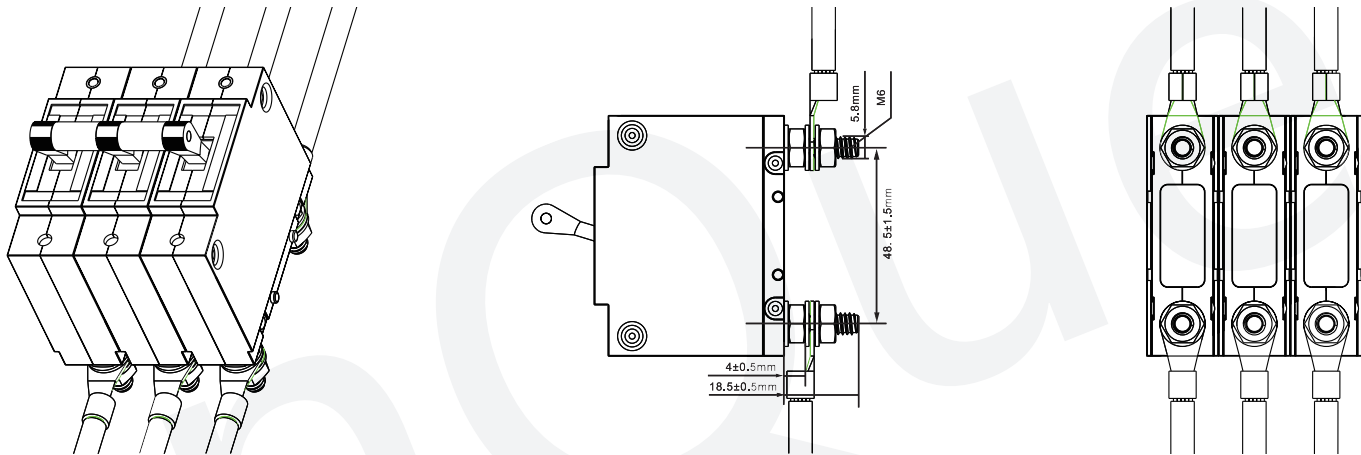
TRIP CURVES



SIZE (UNIT: MM)



WIRING METHOD



PRECAUTIONS AND WARNING

- 1, Ensure the circuit breaker is properly rated for the current, voltage, and frequency of the circuit it will control to prevent overloading and damage.
- 2, Always wear appropriate personal protective equipment (PPE) such as insulated gloves, safety glasses, and arc-flash clothing when operating or maintaining the circuit breaker.
- 3, Verify that the circuit is de-energized using a suitable voltage tester before performing any maintenance or inspection on the circuit breaker.
- 4, Avoid rapid or frequent switching of the circuit breaker, as this can cause excessive wear on internal components and reduce its lifespan.
- 5, Follow the manufacturer's operating instructions and lockout/tagout procedures when isolating the circuit breaker to prevent accidental energization and ensure personal safety.