



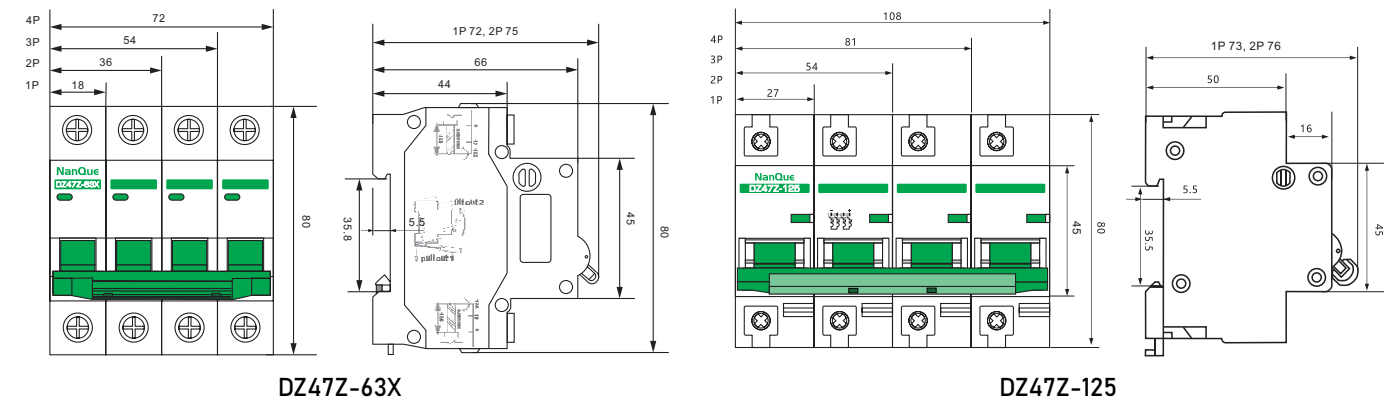
PRODUCT INTRODUCTION

DZ47Z-63X DC miniature circuit breaker series is mainly used in DC lines with rated voltage up to 1000V and rated working current up to 63A, for overload and short circuit protection of DC lines and infrequent conversion of lines. The circuit breaker is composed of a plastic casing, an operating mechanism, a contact arc extinguishing system, and a tripping mechanism. The shell is made of high flame-retardant, high-strength special plastic, which has strong impact resistance and light weight.

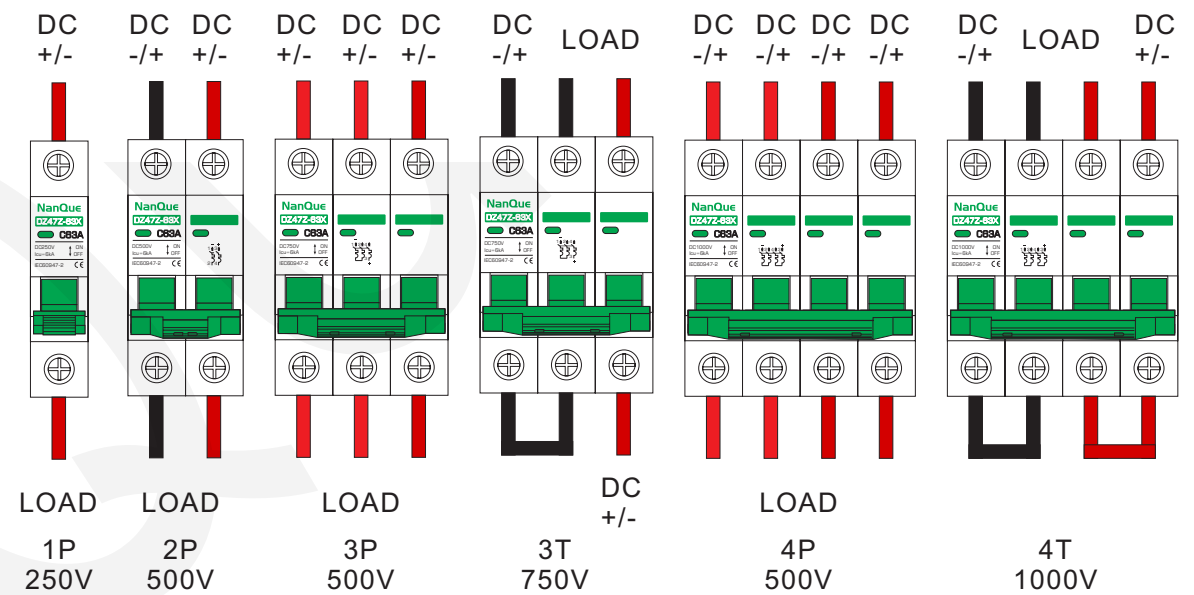
This product complies with GB10963.2 and IEC60947-2 standards.

PARAMETERS

Product Model	DZ47Z-63X	DZ47Z-125
Electrical Characteristics		
Pole Number	Non - polar 1P, 2P, 3P, 4P	
Rated Current Ie (A) Support Customization of Other Currents	6, 10, 16, 20, 25, 32, 40, 50, 63	80, 100, 125, 150
Rated Voltage Ue (V) DC	250-1000	
Rated Insulation Voltage Ui (V) DC	1200	
Rated Withstand Impulse Voltage Uimp (kV)	6	
Rated Circuit - breaker Breaking Capacity Icu (kA)	6	
Trip Type	Thermomagnetic Trip	
Trip Curve	C Curve (5In - 10In)	D Curve (10In - 15In)
Pollution Degree	2	
Protection Functions	Overload Protection, Short Circuit Protection	
Isolation Function	Available	
Mechanical Characteristics		
Mechanical Service Life (Times)	10000	
Electrical Service Life (Times)	10000	
Reference Ambient Temperature	30°C	
Operating Ambient Temperature	- 35°C - + 70°C	
Storage Temperature	- 40°C - + 85°C	
Installation Characteristics		
Terminal	Tunnel - type Terminal	
Maximum Wiring Capacity	2.5N.m	3.5N.m
Maximum Limit Wiring Capacity	25mm²	50mm²
Installation	Standard DIN rail (35mm width), Panel bracket installation	
Optional Accessory	MX (shunt release), OF (auxiliary contact), SD (alarm contact)	

SIZE (UNIT: MM)

WIRING METHOD



CONNECTING CABLE

	Current	Recommended Cable (mm²)	Maximum Wiring Capacity (mm²)
DZ47Z-63X	1-6A	1	25
	10A	1.5	
	16-20A	2.5	
	25A	4	
	32A	6	
	40-50A	10	
	63A	16	
DZ47Z-125	80-100A	25	50
	125A	35	
	150A	50	

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.