



DZ47-63D Miniature Circuit Breaker

New Direction

Miniature Circuit Breaker DZ47-125

Product Introduction

DZ47-125 high breaking miniature circuit breaker is mainly suitable for AC 50/60Hz, rated working voltage 230V/400V and below, rated current up to 125A circuit. The circuit breaker is composed of plastic shell, operating mechanism, contact arc extinguishing system, tripping mechanism and so on. The shell is made of special plastic with high flame retardancy and high strength, which has strong impact resistance and light weight.

Circuit breakers are mainly used for overload and short-circuit protection of lighting, distribution lines and equipment in office buildings, residential buildings and similar buildings. They can also be used for infrequent switching of lines under normal conditions. This product complies with IEC60898, IEC60947 and GB10963 and other standard requirements.

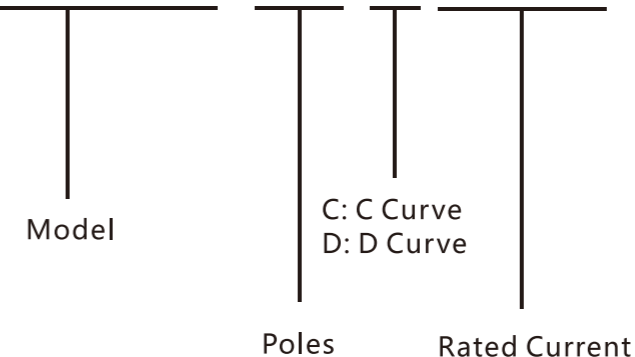


Protection and functions:

- Short circuit protection
- Overload protection
(overcurrent protection)
- Isolation function
- Auxiliary control function

Model Meaning

DZ47-125-1P-D125A



Miniature Circuit Breaker

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Technical Parameters

Model	DZ47-125
Electrical characteristics	
Poles	1P, 2P, 3P, 4P
Rated current I _e (A)	80, 100, 125
Rated voltage U _e (V)	AC230(1P, 2P), AC400(2P, 3P, 4P)
Rated insulation voltage U _i (V)	500
Rated impulse withstand voltage U _{imp} (kV)	6
Rated residual working current (mA)	-
Residual current characteristics	-
Rated short-circuit breaking capacity I _{cn} (kA)	10
Trip curve	C(5I _n ~10I _n), D(10I _n ~14I _n)
Mechanical characteristics	
Electrical life	10000
Mechanical life	20000
Pollution level	2
Normal operating conditions and installation characteristics	
Terminals	Screw crimp
Maximum wiring capacity (mm ²)	25
Maximum ultimate torque (Nm)	2.5
Installation category	II, III
Wiring	Can be wired top and bottom
Accessories can be installed	OF (auxiliary), MX (shunt excitation), SD (alarm), MV (overvoltage), MN (undervoltage), MX+OF (shunt excitation + auxiliary), MV+MN (overvoltage and undervoltage)

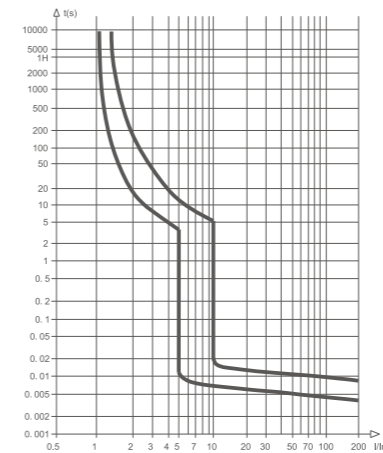
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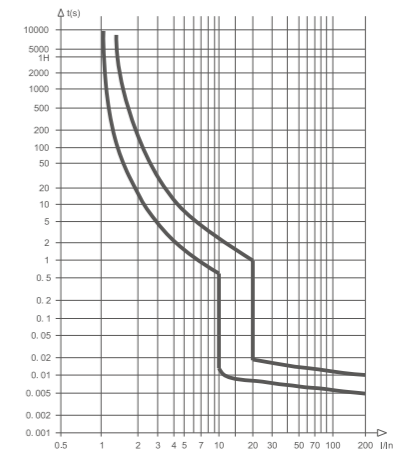
Normal Working Conditions

- Ambient air temperature: - 30°C~ +70°C
- The relative humidity of the air is not more than 95%
- The inclination to the vertical plane does not exceed 5°
- A place without significant shaking and shock vibration
- In a non-explosive medium, and there is no gas and dust (including conductive dust) in the medium that is sufficient to corrode metals and damage insulation

Tripping Characteristic Curve



C Curve



D Curve

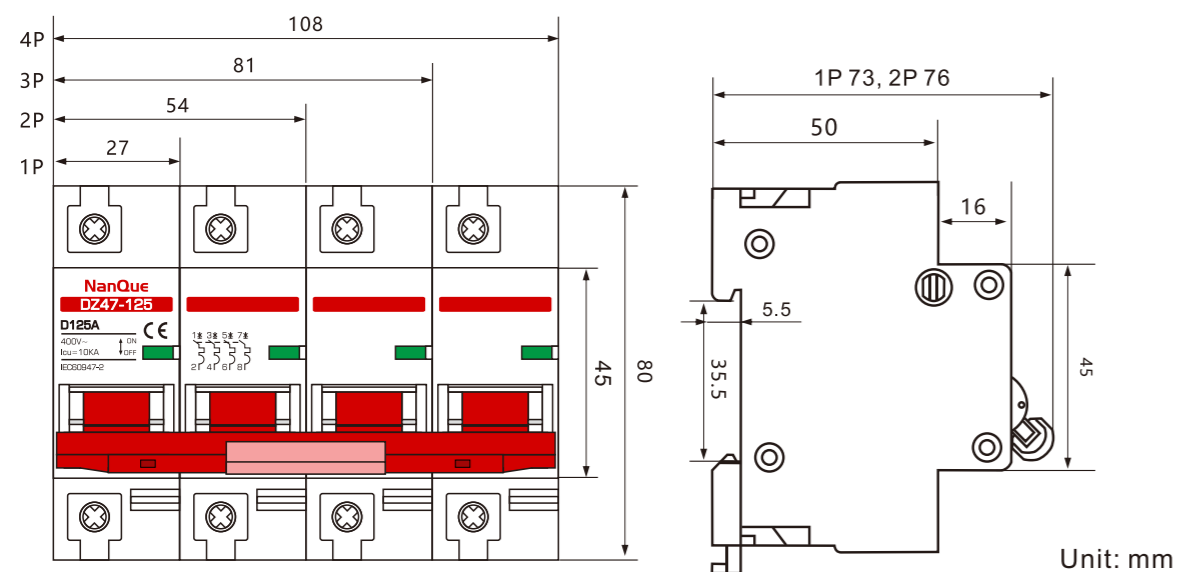
Different ambient temperature current correction coefficient

Ambient temperature°C	-30	-20	-10	0	10	20	30	40	50	60	70
Current correction factor	1.3	1.25	1.2	1.15	1.1	1.05	1	0.95	0.9	0.85	0.8

Product Size

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Appendix I

Product selection datasheet



1P

2P

3P

4P

Connecting Cable

Current	Recommended cable cross-sectional area	Maximum Wiring Capacity
80~125A	25mm ²	35mm ²

Order Introduction

1. The user should indicate the product model, tripping type, rated current, number of poles, accessories and quantity of the circuit breaker when ordering.
2. For example: DZ47-63D circuit breaker 2P C63A 200 pieces.
3. If the user has special requirements, such as customized printing, it can be negotiated separately.

Product Model	Poles	Voltage	Current	Order Code	Customized
DZ47-125	1P	AC230V	80A	NQPD-0102-1PAC20015	NO
DZ47-125	1P	AC230V	100A	NQPD-0102-1PAC20016	NO
DZ47-125	1P	AC230V	125A	NQPD-0102-1PAC20017	NO
DZ47-125	2P	AC400V	80A	NQPD-0102-2PAC40015	NO
DZ47-125	2P	AC400V	100A	NQPD-0102-2PAC40016	NO
DZ47-125	2P	AC400V	125A	NQPD-0102-2PAC40017	NO
DZ47-125	3P	AC400V	80A	NQPD-0102-3PAC40015	NO
DZ47-125	3P	AC400V	100A	NQPD-0102-3PAC40016	NO
DZ47-125	3P	AC400V	125A	NQPD-0102-3PAC40017	NO
DZ47-125	4P	AC400V	80A	NQPD-0102-4PAC40015	NO
DZ47-125	4P	AC400V	100A	NQPD-0102-4PAC40016	NO
DZ47-125	4P	AC400V	125A	NQPD-0102-4PAC40017	NO

Remark:

- 1, "Customized products" (gray marked), cannot be ordered directly, you need to determine the quantity, price and order cycle before ordering,
- 2, Customized products does not support returns and exchanges.