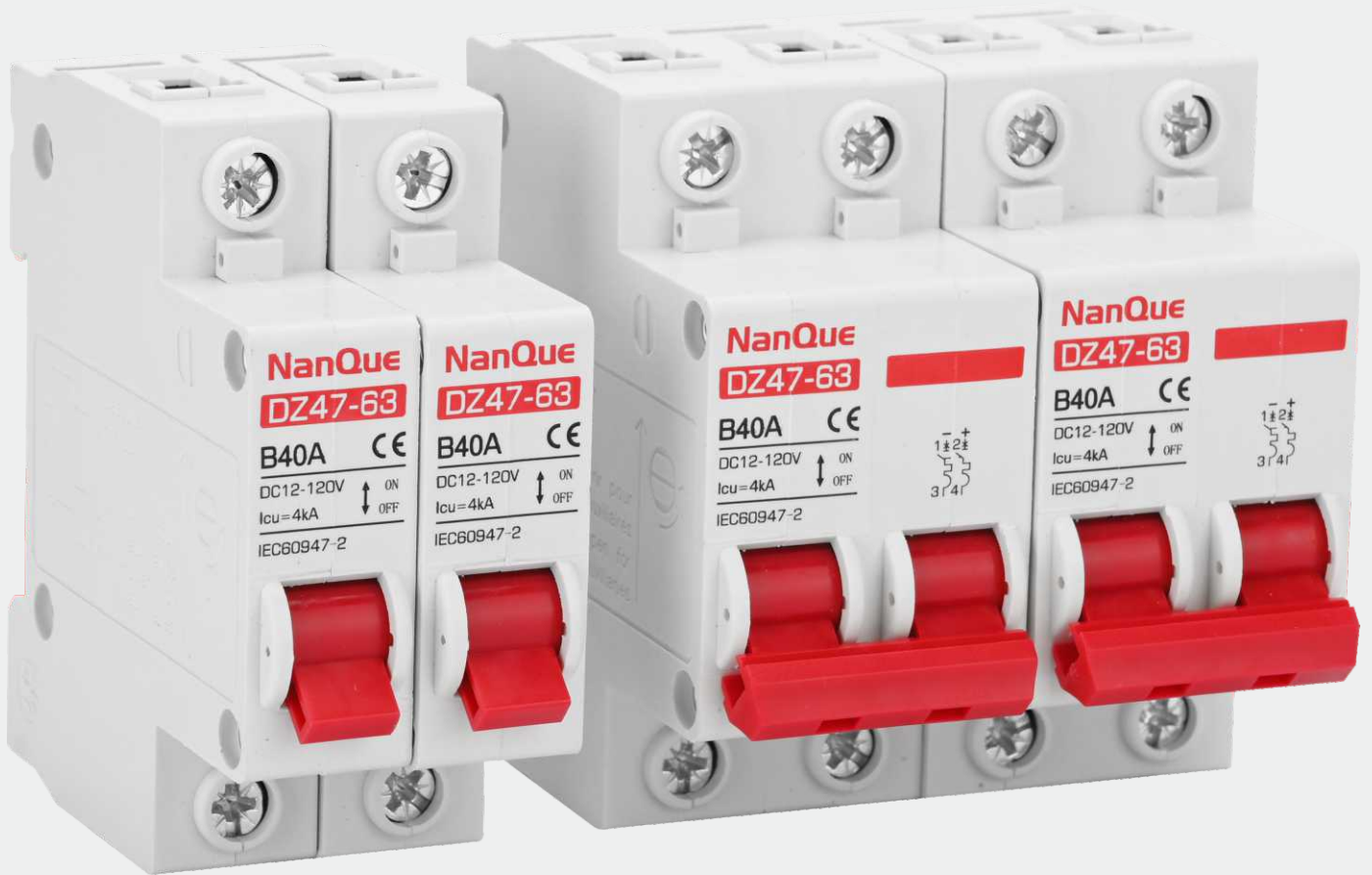


NanQue®



DZ47-63(B)

DC circuit breaker

DC12~120V

Series

Seiko manufacturing, quality can be seen



Product Introduction

DZ47-63 (B) DC circuit breaker, specially used for electric vehicles, motorcycles, lighting circuits, switching power supplies, UPS power supplies, security monitoring circuits and other places, unipolar rated voltage DC 12V-120V, rated current up to 63A It has overload and short-circuit protection in the line, and can also be used for infrequent on-off electrical devices under normal conditions.

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

Model Meaning

DZ47-63(B)-1P-B10A-T

Model

Poles

Rated current

B: B-curve
C: C-curve
D: D-curve

Blank: white shell
T: transparent shell



Technical Parameters

- Short circuit protection
- Overload protection (overcurrent protection)
- Isolation function
- Auxiliary control function
- Rated current In: 1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A;
- Rated working voltage U: DC12~120V, DC12V/DC24V/DC36V/DC48V/DC60V/DC72V/DC96V/DC110V etc;
- Rated short-circuit breaking capacity Icn: 4.5kA;
- Rated impulse withstand voltage Uimp (1.2/50): 4KV;
- Number of poles: 1P single pole, 2P double pole;
- Trip form: thermal magnetic trip;
- Tripping characteristics: B type (3In~5In);
- Current limiting level: 3;
- Ambient working temperature: -30°C~70°C;
- IP grade: Ip20;
- Pollution level: 2;



Installation method:

Installation: where there is no significant vibration and shock, tunnel wiring terminal, can be easily installed on TH35-7.5 type DIN standard rail;

Installation torque: 1~32A: 2.5N, 40~63A: 3.5N;

Mechanical and electrical life:

a. Electrical life: not less than 8000 times;

b. Mechanical life: not less than 10,000 times;

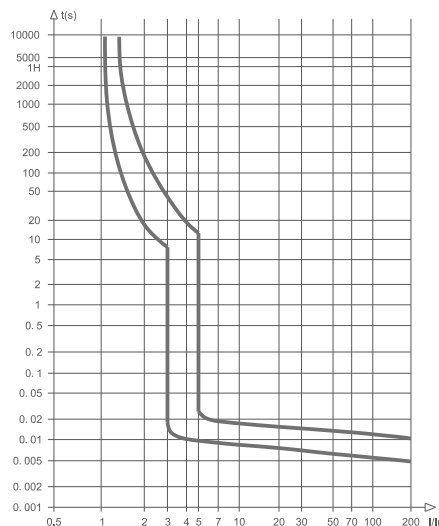
Compliant with the standard: GB10963.2/IEC60947-2;

Compliance certification: CCC, CE;

Application place:

It is used in DC power power system, electric propulsion system, photovoltaic power system (photovoltaic combiner box) and other places.

Tripping Characteristic Curve





B-Curve

Temperature current correction factor

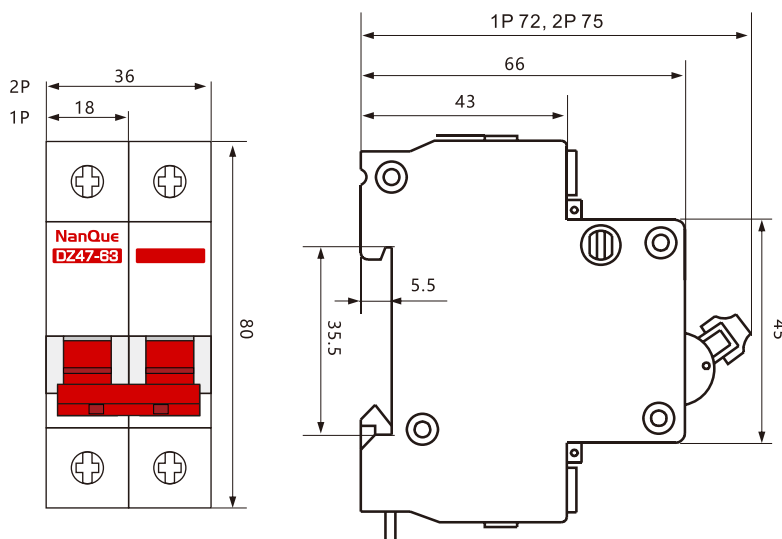
Temperature°C	-30	-20	-10	0	10	20	30	40	50	60	70
Current factor	1.3	1.25	1.2	1.15	1.1	1.05	1	0.95	0.9	0.85	0.8

Product Selection



Model	Poles	Current	Shell
DZ47-63(B)	1P 	1A, 2A, 3A, 4A, 5A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	White (default) Transparent (customized) Other colors (mass customization)
	2P 		

Product Size



Connecting Cables

Current	Recommended cable cross-section	Maximum wiring capacity
1~6A	1mm ²	25mm ²
10A	1.5mm ²	
16~20A	2.5mm ²	
25A	4mm ²	
32A	6mm ²	
40~50A	10mm ²	
63A	16mm ²	

Ordering Instructions



1. When ordering, the user should indicate the product model, tripping type, rated current, Rated Voltage, number of poles, accessories and quantity of the circuit breaker.
2. Example: DZ47-63(B) circuit breaker 2P B63A DC12~120V, 200 pieces.
3. Users have special requirements, such as custom printing, which can be negotiated separately.

Appendix I

Product selection datasheet



1P



2P

Product Model	Poles	Voltage	Current	Order Code	Customized
DZ47-63(B)	1P	DC12-120V	1A	NQPD-DZ4763B1PDCL2001	Yes
	1P	DC12-120V	2A	NQPD-DZ4763B1PDCL2002	Yes
	1P	DC12-120V	3A	NQPD-DZ4763B1PDCL2003	Yes
	1P	DC12-120V	4A	NQPD-DZ4763B1PDCL2004	Yes
	1P	DC12-120V	5A	NQPD-DZ4763B1PDCL2005	Yes
	1P	DC12-120V	6A	NQPD-DZ4763B1PDCL2006	No
	1P	DC12-120V	10A	NQPD-DZ4763B1PDCL2007	No
	1P	DC12-120V	16A	NQPD-DZ4763B1PDCL2008	No
	1P	DC12-120V	20A	NQPD-DZ4763B1PDCL2009	No
	1P	DC12-120V	25A	NQPD-DZ4763B1PDCL2010	No
	1P	DC12-120V	32A	NQPD-DZ4763B1PDCL2011	No
	1P	DC12-120V	40A	NQPD-DZ4763B1PDCL2012	No
	1P	DC12-120V	50A	NQPD-DZ4763B1PDCL2013	No
	1P	DC12-120V	63A	NQPD-DZ4763B1PDCL2014	No
	2P	DC12-120V	1A	NQPD-DZ4763B2PDCL2001	Yes
	2P	DC12-120V	2A	NQPD-DZ4763B2PDCL2002	Yes
	2P	DC12-120V	3A	NQPD-DZ4763B2PDCL2003	Yes
	2P	DC12-120V	4A	NQPD-DZ4763B2PDCL2004	Yes
	2P	DC12-120V	5A	NQPD-DZ4763B2PDCL2005	Yes
	2P	DC12-120V	6A	NQPD-DZ4763B2PDCL2006	No
2P	DC12-120V	10A	NQPD-DZ4763B2PDCL2007	No	

Product Model	Poles	Voltage	Current	Order Code	Customized
DZ47-63(B)	2P	DC12-120V	16A	NQPD-DZ4763B2PDCL2008	No
	2P	DC12-120V	20A	NQPD-DZ4763B2PDCL2009	No
	2P	DC12-120V	25A	NQPD-DZ4763B2PDCL2010	No
	2P	DC12-120V	32A	NQPD-DZ4763B2PDCL2011	No
	2P	DC12-120V	40A	NQPD-DZ4763B2PDCL2012	No
	2P	DC12-120V	50A	NQPD-DZ4763B2PDCL2013	No
	2P	DC12-120V	63A	NQPD-DZ4763B2PDCL2014	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.