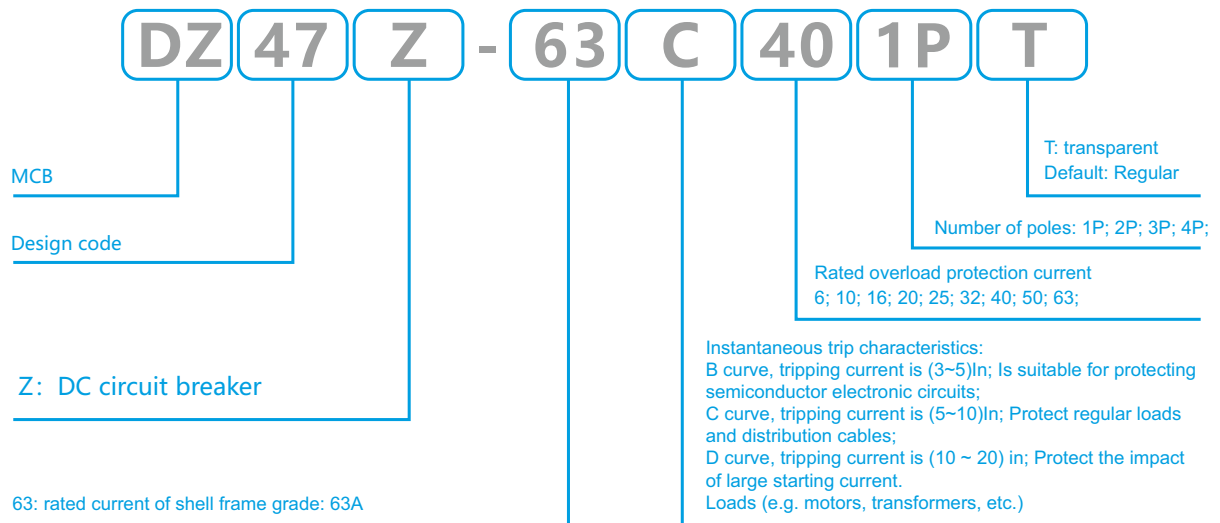


0117

DZ47Z-63 Series of DC Miniature Circuit Breakers



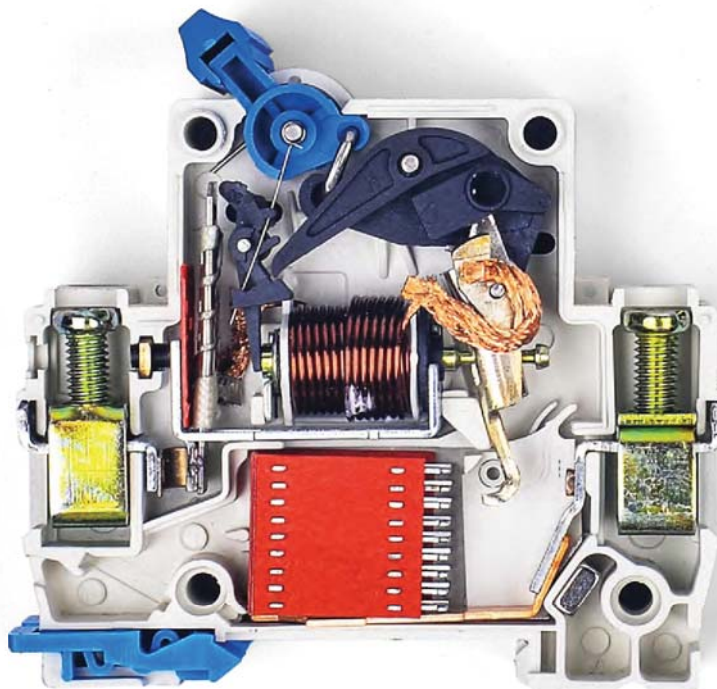
Model and Meaning



Scope of application

DZ47Z-63 series of DC miniature circuit breakers are 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 switching of lines. The circuit breaker consists of plastic casing, operating mechanism, contact arc extinguishing system, tripping mechanism, etc. The shell is made of high flame retardant and high strength special plastic, which has strong impact resistance and light weight.

This product meets the requirements of IEC60898 and GB10963.1.



Functions and characteristics



DZ47Z-63 DC MCB has the following functions

- Short circuit protection
- Overload protection
- Control function
- Isolation function



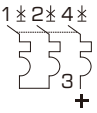
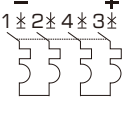
- Rated current: 1,2,4,6,10,16,20,25,32,40,50,63a
- Shell rack grade: 63A
- Number of poles: 1P/2P/3P/4P
- rated operating voltage dc: 250 v/500 v/750 v/1000 v
- Impact withstand voltage Uimp: 6kV
- Quick closing: ensure reliable operation of impact load and prolong the electrical life of circuit breaker
- Breaking capacity: 4.5kA
- Current limit level: 3
- Mechanical life: 10000 times
- Electrical life: 1000 times
- ambient operating temperature: -30°C~70°C
- Damp-heat resistance: Class 2 (95%

relative humidity at 55°C)

- altitude: no more than 2000M
- Installation: For places without significant vibration and impact, please pay attention to polarity and modular structure when connecting tunnel type connection terminals and DC circuit breakers. It can be conveniently installed on the TH35-7.5 DIN standard guide rail 1~32A and below: 2.5N, 40-63A: 3.5N.
- Wiring: 1 ~ 32A: 25mm and below, 40 ~ 63A: 35mm and below
- Protection level: IP20
- Conform to standards: IEC60898-2/GB10963.2
- Conformity certification: CCC, CE
- tripping characteristics: type c curve, instantaneous tripping range (6.8 ~ 10.2) in, protecting conventional load and distribution cable; Type B curve, instantaneous trip range (4.4 ~ 6.6) in, protects load with small short-circuit current.
- Used in DC power system, electric propulsion system, photovoltaic power system (photovoltaic junction box) and other places.

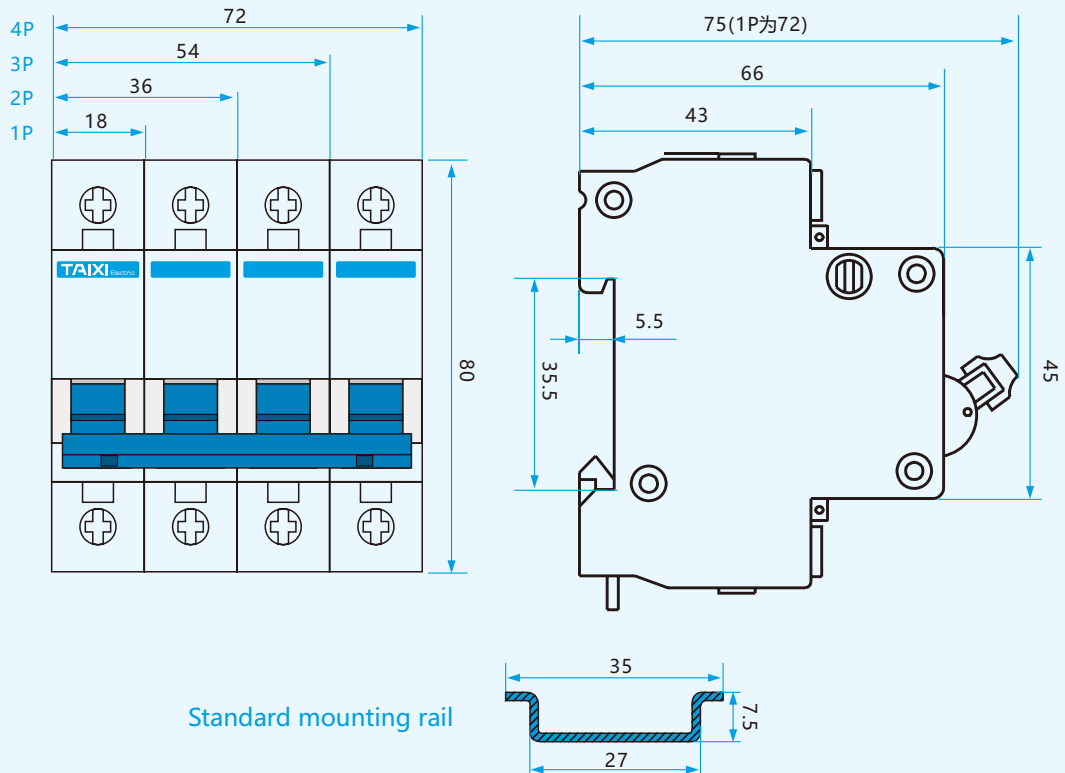
Product selection



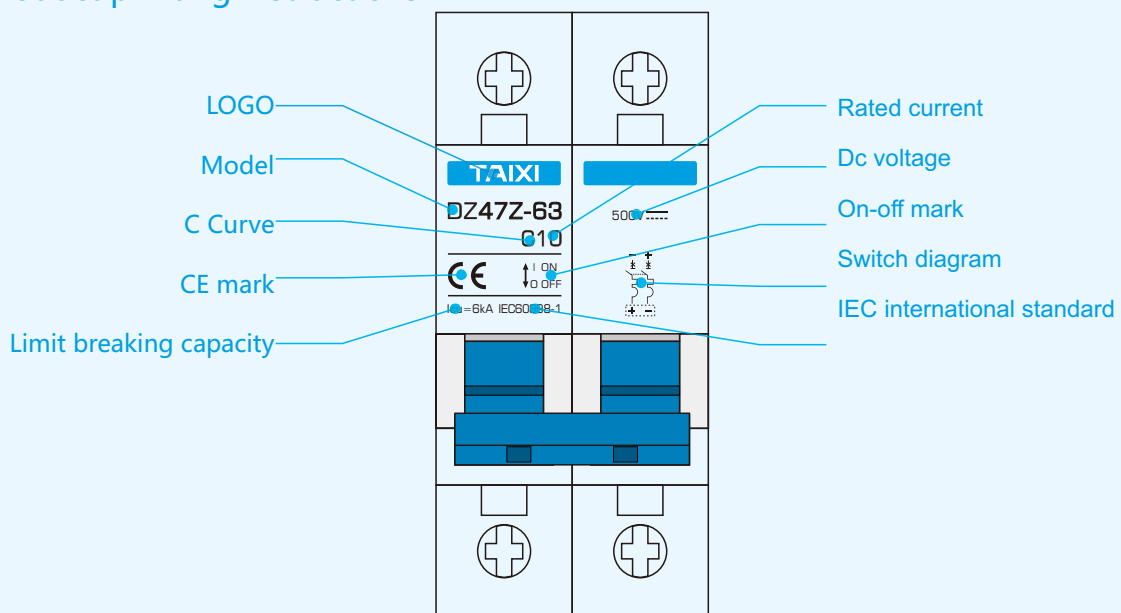
Type	Rated current (A)	Product code Type C	Product code Type D
1P 	6	DZ47Z-63/C6/1P	DZ47Z-63/D6/1P
	10	DZ47Z-63/C10/1P	DZ47Z-63/D10/1P
	16	DZ47Z-63/C16/1P	DZ47Z-63/D16/1P
	20	DZ47Z-63/C20/1P	DZ47Z-63/D20/1P
	25	DZ47Z-63/C25/1P	DZ47Z-63/D25/1P
	32	DZ47Z-63/C32/1P	DZ47Z-63/D32/1P
	40	DZ47Z-63/C40/1P	DZ47Z-63/D40/1P
	50	DZ47Z-63/C50/1P	DZ47Z-63/D50/1P
	63	DZ47Z-63/C63/1P	DZ47Z-63/D63/1P
	2P 	6	DZ47Z-63/C6/2P
10		DZ47Z-63/C10/2P	DZ47Z-63/D10/2P
16		DZ47Z-63/C16/2P	DZ47Z-63/D16/2P
20		DZ47Z-63/C20/2P	DZ47Z-63/D20/2P
25		DZ47Z-63/C25/2P	DZ47Z-63/D25/2P
32		DZ47Z-63/C32/2P	DZ47Z-63/D32/2P
40		DZ47Z-63/C40/2P	DZ47Z-63/D40/2P
50		DZ47Z-63/C50/2P	DZ47Z-63/D50/2P
63		DZ47Z-63/C63/2P	DZ47Z-63/D63/2P
3P 		6	DZ47Z-63/C6/3P
	10	DZ47Z-63/C10/3P	DZ47Z-63/D10/3P
	16	DZ47Z-63/C16/3P	DZ47Z-63/D16/3P
	20	DZ47Z-63/C20/3P	DZ47Z-63/D20/3P
	25	DZ47Z-63/C25/3P	DZ47Z-63/D25/3P
	32	DZ47Z-63/C32/3P	DZ47Z-63/D32/3P
	40	DZ47Z-63/C40/3P	DZ47Z-63/D40/3P
	50	DZ47Z-63/C50/3P	DZ47Z-63/D50/3P
	63	DZ47Z-63/C63/3P	DZ47Z-63/D63/3P
	4P 	6	DZ47Z-63/C6/4P
10		DZ47Z-63/C10/4P	DZ47Z-63/D10/4P
16		DZ47Z-63/C16/4P	DZ47Z-63/D16/4P
20		DZ47Z-63/C20/4P	DZ47Z-63/D20/4P
25		DZ47Z-63/C25/4P	DZ47Z-63/D25/4P
32		DZ47Z-63/C32/4P	DZ47Z-63/D32/4P
40		DZ47Z-63/C40/4P	DZ47Z-63/D40/4P
50		DZ47Z-63/C50/4P	DZ47Z-63/D50/4P
63		DZ47Z-63/C63/4P	DZ47Z-63/D63/4P

Dimensions and printing

Product size (mm)



Product printing instructions



Note: The printed version of the product will be adjusted according to actual conditions.

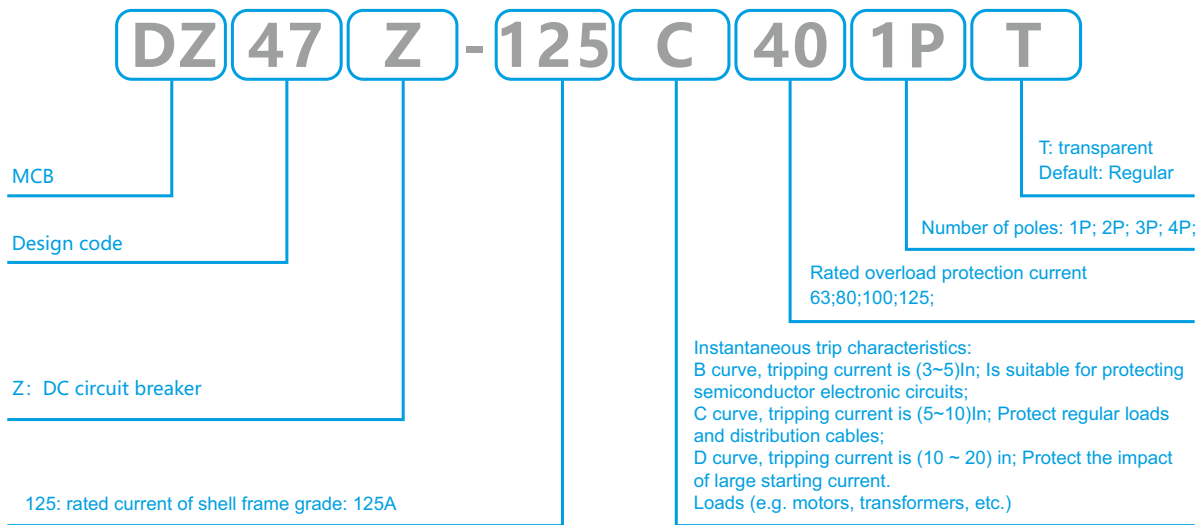
0118

DZ47Z-125(NC) DC Miniature Circuit Breaker



TAIXI
ELECTRIC

Model and Meaning



Scope of application

DZ47Z-125 series of DC miniature circuit breakers are mainly used in DC lines with rated voltage up to 1000V and rated working current up to 125A for overload and short circuit protection of DC lines and infrequent switching of lines. The circuit breaker consists of plastic casing, operating mechanism, contact arc extinguishing system, tripping mechanism, etc. The shell is made of high flame retardant and high strength special plastic, which has strong impact resistance and light weight.

This product meets the requirements of IEC60898 and GB10963.1.

Functions and characteristics

DZ47Z-125(NC) DC MCB has the following functions




- Short circuit protection
 - Overload protection
 - Control function
 - Isolation function
- Rated current: 63A; 80; 100; 125;
 - Shell rack grade: 125A
 - Number of poles: 1P/2P/3P/4P
 - rated operating voltage DC: 250 v/500 v/750/1000 v
 - Impact withstand voltage Uimp: 6kV
 - Quick closing: ensure reliable operation of impact load and prolong the electrical life of circuit breaker
 - Breaking capacity: 10kA
 - Current limit level: 3
 - Mechanical life: 10000 times
 - Electrical life: 1000 times
 - Ambient operating temperature: -30°C~70°C


- Damp-heat resistance: Class 2 (95% relative humidity at 55°C)
- altitude: no more than 2000M
- Installation: For places without significant vibration and impact, please pay attention to polarity and modular structure when connecting tunnel terminals and DC circuit breakers, which can be conveniently installed on TH35-7.5 DIN standard guide rails.
- Wiring:
 - Flexible cord: 1.5~35 mm²
 - Hard wire: 1~50 mm²
- Protection level: IP20
- Conform to standards: IEC60898-2/GB10963.2
- Conformity certification: CCC, CE
- tripping characteristics: type c curve, instantaneous tripping range (6.8 ~ 10.2) in, protecting conventional load and distribution cable; Type B curve, instantaneous trip range (4.4 ~ 6.6) in, protects load with small short-circuit current.
- Used in DC power system, electric propulsion system, photovoltaic power system (photovoltaic junction box) and other places.

Product selection

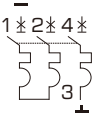


Type	Rated current (A)	Product code Type C	Product code Type D
1P 	63	DZ47Z-125/C63/1P	DZ47Z-125/D63/1P
	80	DZ47Z-125/C80/1P	DZ47Z-125/D80/1P
	100	DZ47Z-125/C100/1P	DZ47Z-125/D100/1P
	125	DZ47Z-125/C125/1P	DZ47Z-125/D125/1P

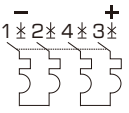


2P 	63	DZ47Z-125/C63/2P	DZ47Z-125/D63/2P
	80	DZ47Z-125/C80/2P	DZ47Z-125/D80/2P
	100	DZ47Z-125/C100/2P	DZ47Z-125/D100/2P
	125	DZ47Z-125/C125/2P	DZ47Z-125/D125/2P



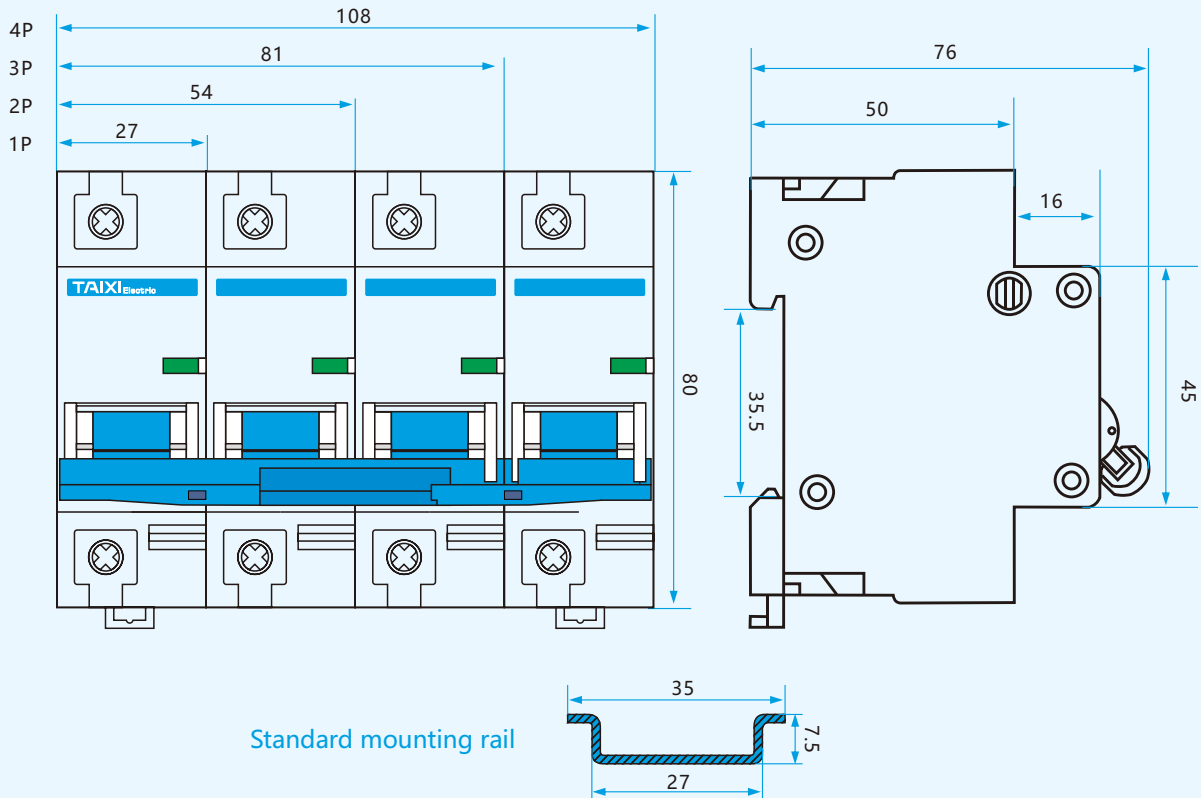
3P 	63	DZ47Z-125/C63/3P	DZ47Z-125/D63/3P
	80	DZ47Z-125/C80/3P	DZ47Z-125/D80/3P
	100	DZ47Z-125/C100/3P	DZ47Z-125/D100/3P
	125	DZ47Z-125/C125/3P	DZ47Z-125/D125/3P



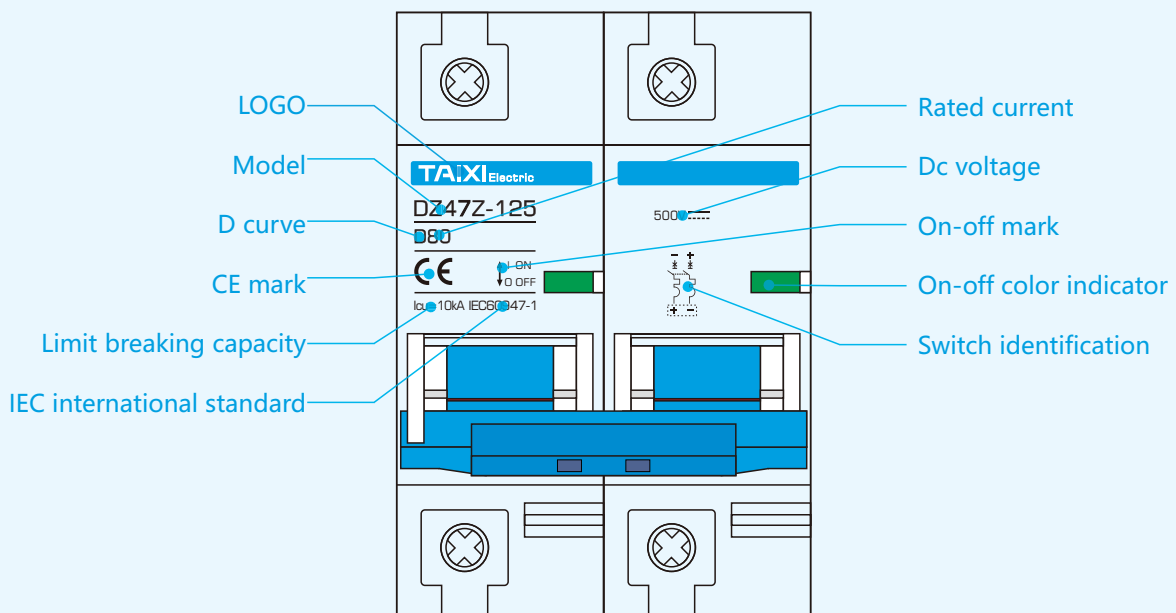
4P 	63	DZ47Z-125/C63/4P	DZ47Z-125/D63/4P
	80	DZ47Z-125/C80/4P	DZ47Z-125/D80/4P
	100	DZ47Z-125/C100/4P	DZ47Z-125/D100/4P
	125	DZ47Z-125/C125/4P	DZ47Z-125/D125/4P

Dimensions and printing

Product size (mm)



Product printing instructions



Note: The printed version of the product will be adjusted according to actual conditions.