

Product Overview

■ Main functions

Short circuit protection, overload protection, and disconnection functions

■ Applied standards

GB/T14048.2

■ Certification compliance



■ Main features



Rated operating voltage (V)	1P: 230/400 AC	Rated current (A)	1-63
	1P+N: 230 AC	Rated frequency (Hz)	50 (only for AC)
	2P, 3P, 3P+N, 4P: 400 AC	Number of poles	1P, 1P+N, 2P, 3P, 3P+N, 4P
	1P: 60V DC	Breaking capacity (kA)	6
	2P: 125V DC		

Product Selection

Product name	Number of poles	Trip type	Rated current	
CDB6iTC	1	C	6	
	↓	↓	↓	↓
	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	B: B type C: C type D: D type	1: 1A 2: 2A 3: 3A 4: 4A 5: 5A 6: 6A 8: 8A 10: 10A	13: 13A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A

Notes:

1. The materials of this model are all RoHS compliant;

2. The product can be assembled with accessories OF, SD, MSN, MV, MN, MVMN, FF, FS, MO (with power), and MOWY (without power).

Technical Parameters

■ Electrical characteristics

Rated insulation voltage Ui (V)		500	Usage category		A
Max. operating voltage U _{bmax}	1P,1P+N (V)	230/400 AC	Disconnection function		Yes
	2P, 3P, 3P+N, 4P (V)	400 AC	Pollution level		2
	1P (V)	60DC	Trip type		Thermal magnetic trip
	2P (V)	125DC			
Rated short circuit capacity I _{cn} (IEC/EN60898) (kA)		6	Thermal magnetic trip characteristics	li (B) type curve 4I _n (AC), 5I _n (DC)	■
				li (C) type curve 8I _n (AC), 10I _n (DC)	■
				li (D) type curve 12I _n (AC), 15I _n (DC)	■
Rated impulse withstand voltage U _{imp} (1.2/50) (kV)		4			
Dielectric test voltage (kV)		2kV (50/60Hz, 1 minute)	Electrical and mechanical accessories		■

Mechanical characteristics

Handle		Red, mark indicates the ON-OFF position
Mechanical durability	Times	20000
Electrical durability	Times	10000
Protection grade		Installed in a distribution box: IP40 Installed directly: IP20
Mechanical shock resistance		30g, 3 shocks, duration 11 ms (in places without significant vibration and shock)

Vibration resistance (IEC/EN 60068-2-6)		In places without significant vibration and shock
Resistance to damp and heat (IEC 60068-2)	Damp and heat °C/RH	Class 2, 28 cycles When the temperature is 55°C, the relative humidity is 90%-96% When the temperature is 25°C, the relative humidity is 95%-100%
Reference ambient temperature	°C	30°C
Ambient working temperature (mean daily temperature ≤ +35°C)	°C	-35°C ~ +70°C
Storage temperature	°C	-40°C ~ +85°C

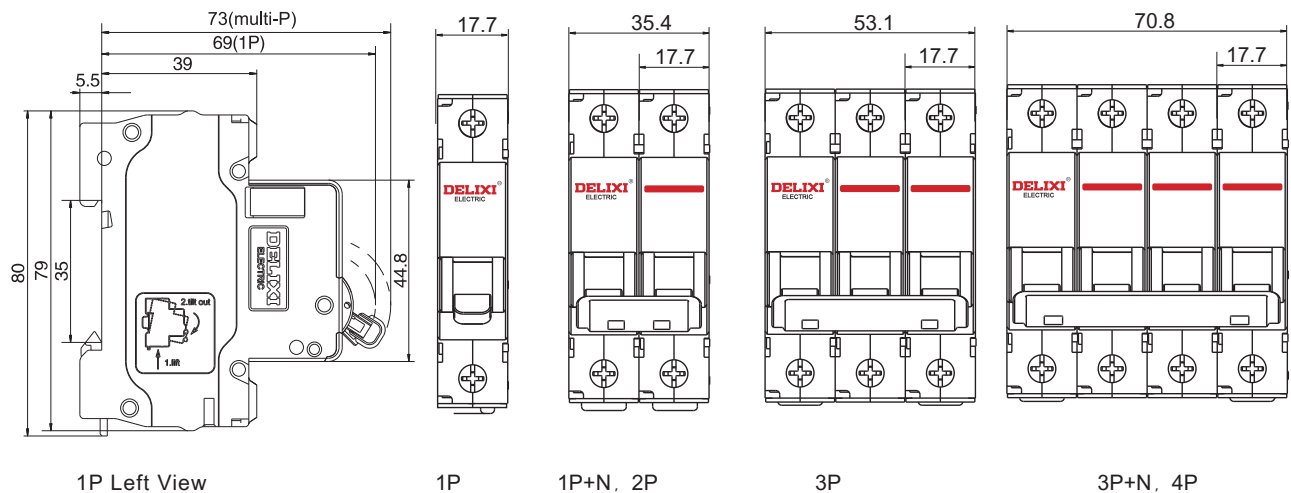
Installation characteristics

Terminal block form		U-shaped terminal block
Max. wiring capacity		Current grade 1-63(A): 25 mm ²
Max. limit torque		Current grade 1-63(A): 2.5 N.m

Tools		Cross screwdriver or slotted screwdriver
Installation		Installed on the standard DIN rail (35mm)
Inlet method		Top inlet and bottom inlet

Outline and Installation Dimensions

Dimensional drawing



Wiring diagram

