

Product Overview

■ Main functions

Short circuit protection, overload protection, disconnection, and control

■ Applied standards

GB/T 14048.2, IEC60947-2

■ Certification compliance



■ Main features

Rated voltage (V)	1P DC250V; 2P/3P DC500V
Rated current (A)	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A (B-type without 1-6A)
Number of poles	1P/2P/3P
Breaking capacity (kA)	6

Product Selection

Product name	Breaking capacity	Number of poles	Trip type	Rated current	
CDB6iZ	Default	1	C	6	
	Default: breaking 6kA 1P: 250v 2P/3P: 500v	1: 1P 2: 2P 3: 3P	B: B type C: C 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. There are no RoHS compliant materials available for this model.

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

Technical Parameters

■ Electrical characteristics

Mechanical durability	Times	20000	Ambient working temperature °C	-35°C~70°C
Electrical durability	Times	10000		

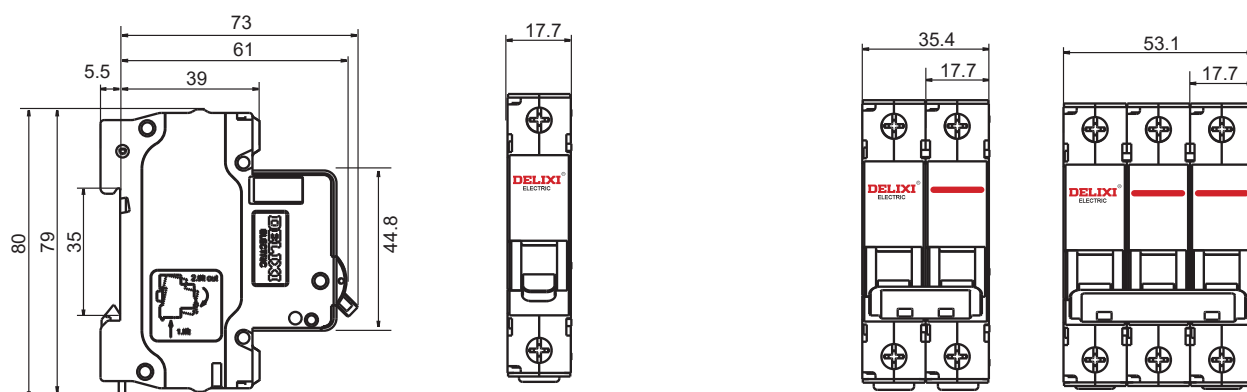
Mechanical characteristics

Rated impulse withstand voltage U_{imp} (kV)	6
Trip characteristics	li(B) / li(C)
Trip characteristics	li(B)
	Protect the loads with low short-circuit currents
	Trip characteristics: Instantaneous trip range (4.4~6.6) I_n
	li(C)
	Protect the conventional loads and power distribution cables
	Trip characteristics: Instantaneous trip range (6.8~10.2) I_n

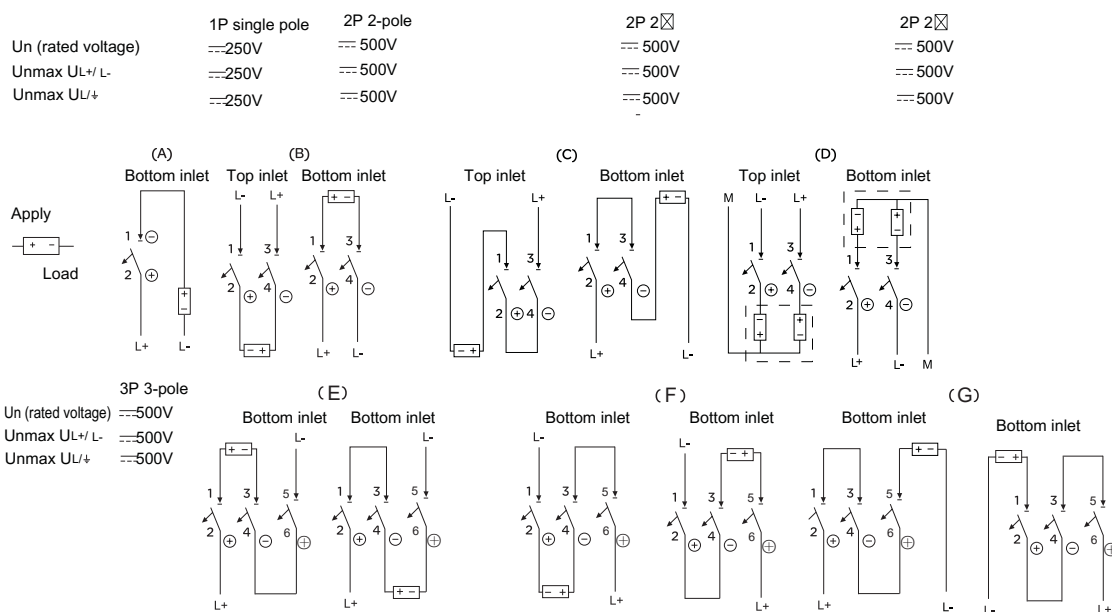
Installation characteristics

Terminal block form	Tunnel type terminal block
Max. wiring capacity	1~63A Suitable for 25mm ² and below wire
Installation	Modular installation, easily installed on the DIN standard rail
Rated torque	2.5N·m

Outline and Installation Dimensions



Wiring diagram



Notes: (1) L+ is power supply positive pole, L- is power supply negative pole; (2) ☒ means the positive pole of circuit breaker, ☐ means the negative pole of circuit breaker; (3) For DC power supply, generally "L-" is earthed; in the positive and negative power supply system, the neutral pole "M" is earthed