

Product Overview

Main functions

Disconnection, on-off resistance, and inductive mixed load

Applied standards

GB/T14048.3, IEC60947-3



Certification compliance

* RoHS compliant products have their own separate material number, and attention is paid for model selection when ordering.

* RoHS-compliant products are CE certified only.



Main features

Rated current (A)	20, 25, 32, 40, 63, 80, 100, 125A
Rated operating voltage(V)	230V AC
Number of poles	1P、2P、3P、4P

Product Selection

Product name	Number of poles	Rated current
CDG6i	1	20
	1: 1P 2: 2P 3: 3P 4: 4P	20: 20A 25: 25A 32: 32A 40: 40A 63: 63A 80: 80A 100: 100A 125: 125A

Notes:

- Those listed in the above table are the non-RoHS material selection rules; for RoHS compliant products, the model number is changed to CDG6R only;
- The product cannot be assembled accessories.

Technical Parameters

Electrical characteristics

Rated insulation voltage U_i	(V)	500	Rated impulse withstand voltage U_{imp}	(kV)	6
Rated operating voltage U_e	(V)	1P: AC230V 2P/3P/4P: AC400V	Dielectric test voltage		2kV (50Hz, 1 minute)
Rated current	(A)	20, 25, 32, 40, 63, 80, 100, 125	Disconnection function		Yes
Rated short time withstand current	(A)	20Ie, 1s	Pollution level		2
			Electrical and mechanical accessories		No

New 6
SERIES

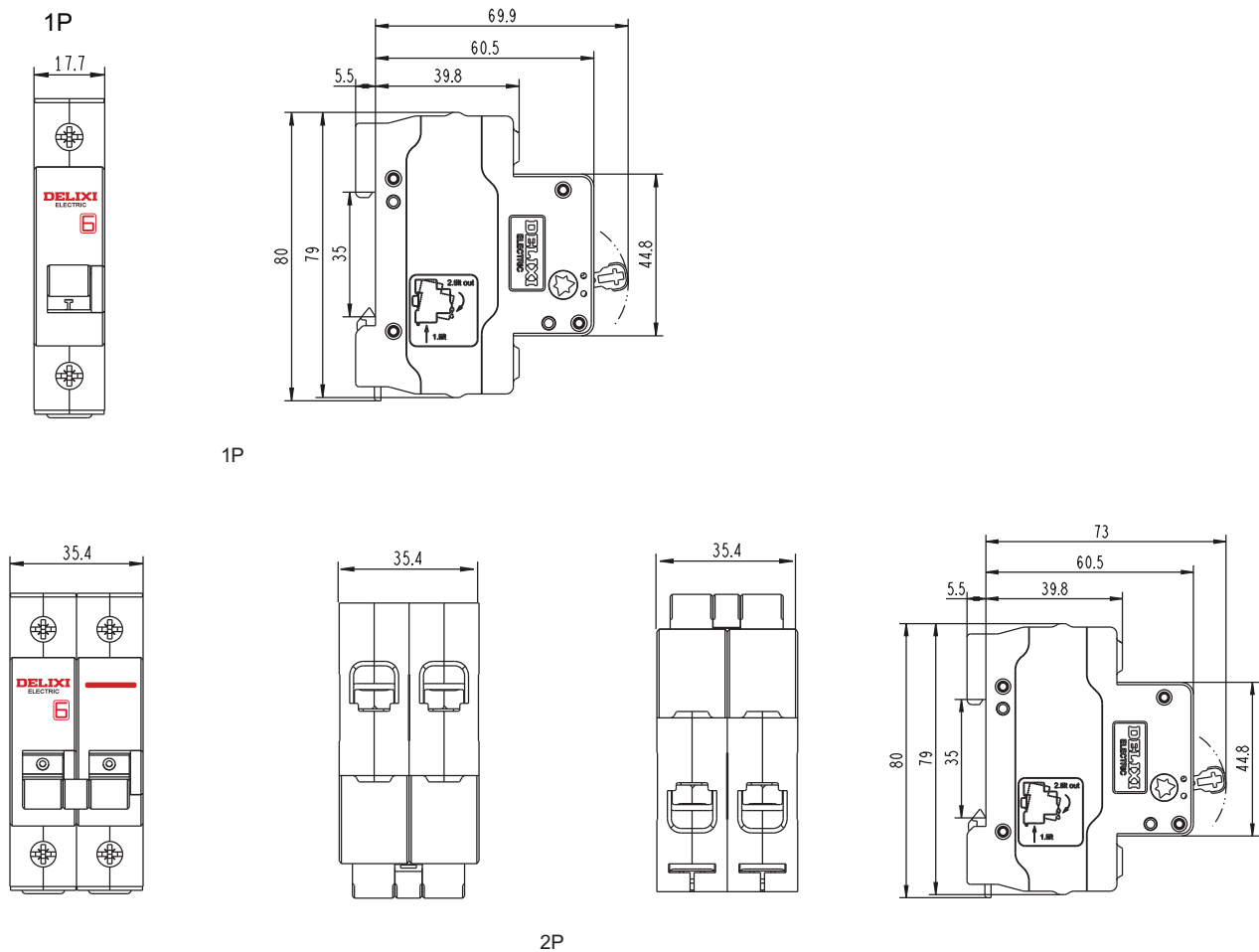
Mechanical characteristics

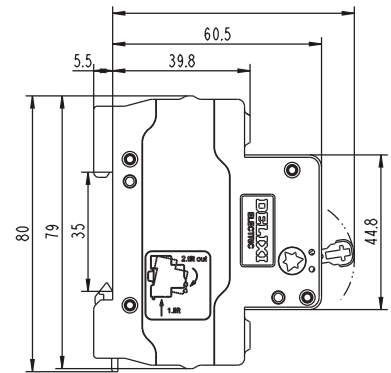
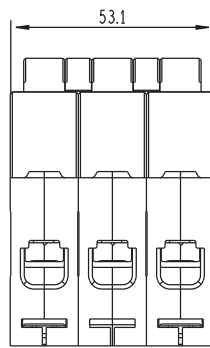
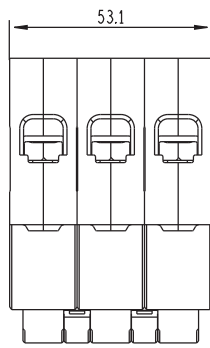
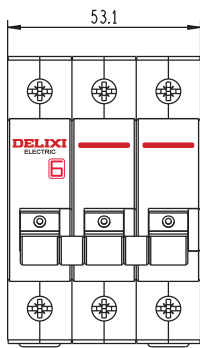
Mechanical durability	Times	10000		
Electrical durability	Times	3000		
Protection grade	Installed in a distribution box	IP40	Resistance to damp and heat (IEC 60068-2)	Damp and heat °C/RH Class 2, 28 cycles When the temperature is 55°C, the relative humidity is 90%-96% When the temperature is 25°C, the relative humidity is 95%-100%
	Installed directly	IP20		
Mechanical shock resistance	30g, 3 shocks, duration 11 ms (in places without significant vibration and shock)		Reference ambient temperature	°C 30°C
Vibration resistance (IEC/EN 60068-2-6)	In places without significant vibration and shock		Ambient working temperature (mean daily temperature ≤ +35°C)	°C -35°C ~ +70°C
			Storage temperature	°C -40°C ~ +85°C

Installation characteristics

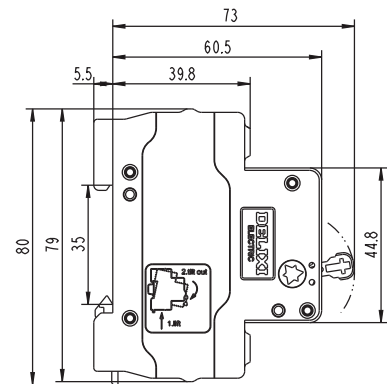
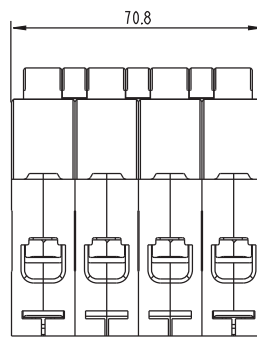
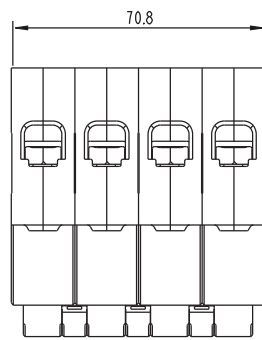
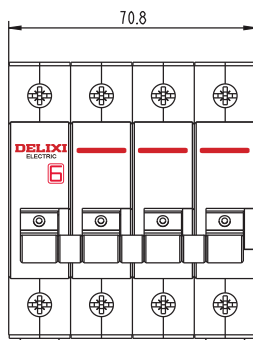
Terminal block form	Tunnel type terminal block	Tools	Cross screwdriver or slotted screwdriver
Max. wiring capacity	3.5N.m	Installation	Installed on the standard DIN rail (35mm)
Max. ultimate torque	50mm ²	Inlet method	Top inlet and bottom inlet available

Outline and Installation Dimensions





3P



4P