

Product Overview

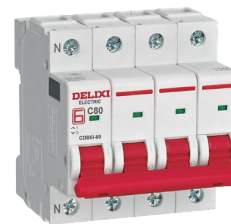
■ Main functions

Short circuit protection, overload protection, and disconnection functions

■ Applied standards

GB/T 10963.1、IEC60898-1

■ Certification compliance



■ Main features

Rated operating voltage (V)	1P: 230/400, 240/415 AC	Rated frequency (Hz)	50/60
	1P+N: 230/240 AC	Number of poles	1P, 1P+N, 2P, 3P, 3P+N, 4P
	2P, 3P, 3P+N, 4P: 400/415 AC	Breaking capacity (kA)	6
Rated current (A)	80		

Product Selection

Product model	Number of poles	Trip type	Rated current
CDB6i-80	1	C	80
	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	B: B type C: C type D: D type	80: 80A

Notes:

- Those listed in the above table are the model selection rules for non-RoHS material; for RoHS compliant products, the model number is simply changed to CDB6R-80;
- 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 U_i (V)	500	Disconnection function	Yes
Rated operating voltage U_e (V)	1P (V)	Pollution level	2
	1P+N (V)	Trip type	Thermal magnetic trip
	2P, 3P, 3P+N, 4P (V)		
Rated short circuit capacity	6	Trip curve	B type curve (3I _n ~5I _n)
Rated impulse withstand voltage	4		C type curve (5I _n ~10I _n)
Dielectric test voltage (kV)	2kV (50/60Hz, 1 minute)		D type curve (10I _n ~14I _n)
Usage category	A	Electrical and mechanical accessories	■

New 6
SERIES

Mechanical characteristics

Handle		Red
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

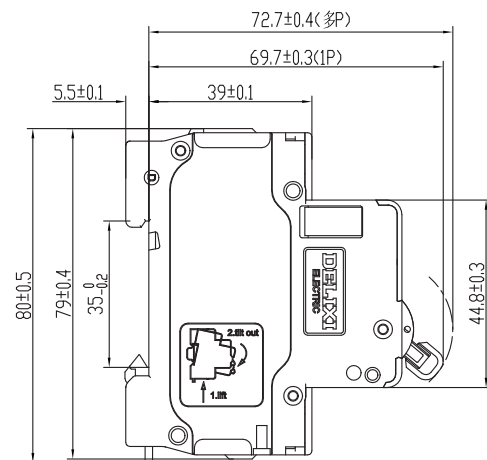
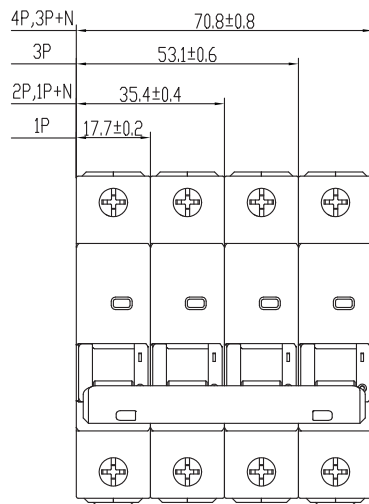
Installation characteristics

Terminal block form	U-shaped terminal block
Max. wiring capacity	Current grade 1-63(A): 50 mm ² mm
Max. ultimate torque	Current grade 1-63(A): 3.5 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

