CB-63DC DC Circuit Breaker

1. Main functions

Overload protection, short-circuit protection, isolation function

2. Standard

IEC/EN 60947-2

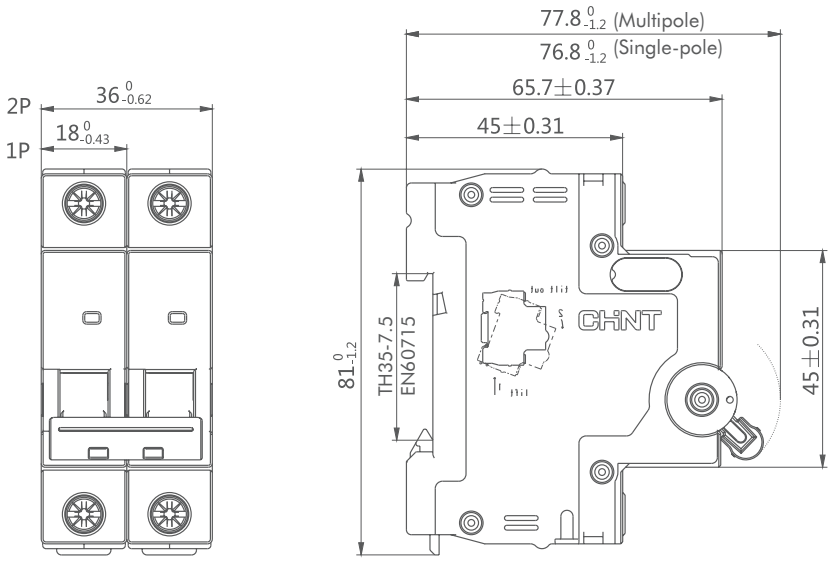
3. Certification

CB, CE, TUV, REACH

4. Selection Example

CB	–	63	DC	1P	63A	8.5In
CB Series		Frame	DC: DC type DC250V(1P) DC500V(2P)	Poles 1P/2P	Rated current (A) 1~63A	Release characteristic 8.5In(Curve C)

5. Overall and mounting dimensions (mm)



6. Technical data

Product Model		CB-63DC
Rated current In (A)		1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Rated operation voltage Ue (V)		DC 250(1P), DC 500(2P)
Poles		1P, 2P
Mechanical life (cycles)		20000
Electrical life (cycles)		6000
Breaking Capacity Icu (A)		6000
Breaking Capacity Ics (A)		6000
Rated insulation voltage Ui (V)		500
Rated impulse withstand voltage Uimp (kV)		6
Dielectric test voltage (V)		1890
Terminals	Minimum cross section (mm ^{2})	1
	Maximum cross section (mm ^{2})	16
	Standard connection torque (N · m)	2.0
	Wire insertion depth (mm)	12
Operating Temperature (℃)		-35~+70
Applicable altitude (m)		≤ 2000
Thermo-magnetic release characteristic		Ii=8.5In(1±20%)
Power consumption perpole (W)	In≤10A	3
	10A<In≤16A	3.5
	16A<In≤25A	4.5
	25A<In≤32A	6
	32A<In≤40A	7.5
	40A<In≤50A	9
	50A<In≤63A	13
Cable entry		Connect the wires according to the positive and negative poles, reverse connection is not allowed
Mounting		TH35-7.5-rail mounting
Protection degree	Direct Installation	IP20
	Mounted in the distribution box	IP40
Assemblable accessories		AX-X1, AL-X1, SHT-X1, OVT-X1, UVT-X1, OUVT-X1
Whether the salt mist test (SMT) is satisfied		No
Weight(kg)		0.10/per pole

Poles	Rated current (A)	Release characteristic	Description	Code
1P	1	8.5In(Curve C)	CB-63DC 1P 1A 8.5In	543051
1P	2	8.5In(Curve C)	CB-63DC 1P 2A 8.5In	543054
1P	3	8.5In(Curve C)	CB-63DC 1P 3A 8.5In	543057
1P	4	8.5In(Curve C)	CB-63DC 1P 4A 8.5In	543059
1P	6	8.5In(Curve C)	CB-63DC 1P 6A 8.5In	543062
1P	10	8.5In(Curve C)	CB-63DC 1P 10A 8.5In	543052
1P	16	8.5In(Curve C)	CB-63DC 1P 16A 8.5In	543053
1P	20	8.5In(Curve C)	CB-63DC 1P 20A 8.5In	543055
1P	25	8.5In(Curve C)	CB-63DC 1P 25A 8.5In	543056
1P	32	8.5In(Curve C)	CB-63DC 1P 32A 8.5In	543058
1P	40	8.5In(Curve C)	CB-63DC 1P 40A 8.5In	543060
1P	50	8.5In(Curve C)	CB-63DC 1P 50A 8.5In	543061
1P	63	8.5In(Curve C)	CB-63DC 1P 63A 8.5In	543063
2P	1	8.5In(Curve C)	CB-63DC 2P 1A 8.5In	543064
2P	2	8.5In(Curve C)	CB-63DC 2P 2A 8.5In	543067
2P	3	8.5In(Curve C)	CB-63DC 2P 3A 8.5In	543070
2P	4	8.5In(Curve C)	CB-63DC 2P 4A 8.5In	543072
2P	6	8.5In(Curve C)	CB-63DC 2P 6A 8.5In	543075
2P	10	8.5In(Curve C)	CB-63DC 2P 10A 8.5In	543065
2P	16	8.5In(Curve C)	CB-63DC 2P 16A 8.5In	543066
2P	20	8.5In(Curve C)	CB-63DC 2P 20A 8.5In	543068
2P	25	8.5In(Curve C)	CB-63DC 2P 25A 8.5In	543069
2P	32	8.5In(Curve C)	CB-63DC 2P 32A 8.5In	543071
2P	40	8.5In(Curve C)	CB-63DC 2P 40A 8.5In	543073
2P	50	8.5In(Curve C)	CB-63DC 2P 50A 8.5In	543074
2P	63	8.5In(Curve C)	CB-63DC 2P 63A 8.5In	543076