



NXB-63 Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE, SNI, NOM, EAC, SII

3. Major function

Overload protection, short circuit protection, positive isolation

4. Technical parameters

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A;
Rated voltage: 220V~/230V~/240V ~ (1P, 1P+N, 2P), 380V~/400V~/415V ~ (2 ~ 4P, 3P+N);
Frequency: 50/60Hz;
Thermal magnetic release: B, C, D;
Number of poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P;
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated short-circuit breaking capacity(Icn): 6000A,10000A(2P, 220V/230V/240V);
Short-circuit breaking capacity (Ics): 6000A, 7500A(2P, 220V/230V/240V);
Rated insulation voltage Ui: 500V
Rated impulse withstand voltage (Uimp): 4kV;
Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

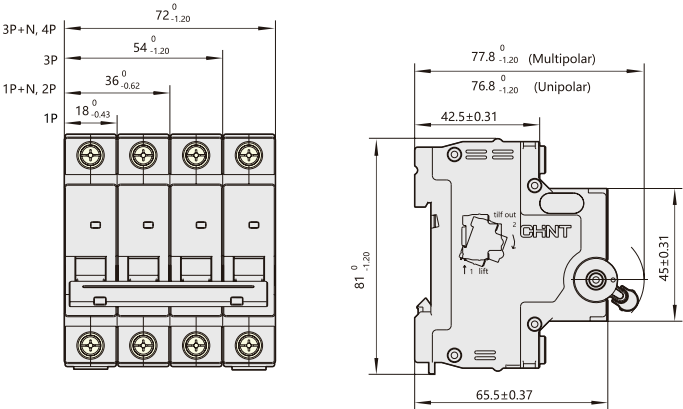
Rated current In (A)	Maximum power consumption per pole (W)
1~10	3
16	3.5
20~25	4.5
32	6
40	7.5
50	9
63	13

Temperature derating see table 2

Table 2

Ambient temperature(°C)	-35	-20	-10	0	10	20	30	40	50	60	70
Rated current(A)											
1~6	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82
10~25	1.27	1.24	1.19	1.13	1.07	1.02	1	0.96	0.91	0.87	0.82
32~40	1.27	1.24	1.19	1.13	1.08	1.04	1	0.97	0.92	0.88	0.83
50~63	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82

5. Dimensions and installation sizes





NXB-63H Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE, SII, SI

3. Major function

Overload protection, short circuit protection , positive isolation

4. Technical parameters

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A,;

Rated voltage: 220V~/230V~/240V~(1P, 1P+N) 380V~/400V~/415V~(2~4P, 3P+N);

Frequency: 50/60Hz;

Thermal magnetic release: B, C, D;

Number of poles: 1P, 1P+N, 2P, 3P, 3P+N, 4P;

Mechanical life: 20000 cycles;

Electrical life: 10000 cycles;

Rated short-circuit breaking capacity: 10000A;

Short-circuit breaking capacity: 7500A;

Rated insulation voltage Ui: 500V

Rated impulse withstand voltage: 4kV;

Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

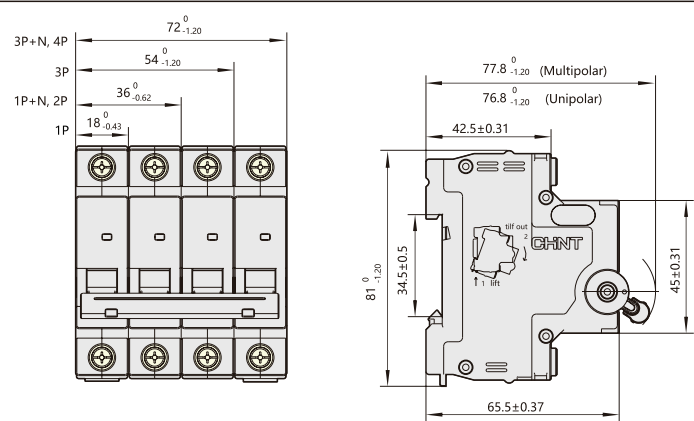
Rated current In (A)	Maximum power consumption per pole (W)
1~10	3
16	3.5
20~25	4.5
32	6
40	7.5
50	9
63	13

Temperature derating see table 2

Table 2

Ambient temperature(°C)	-35	-20	-10	0	10	20	30	40	50	60	70
Rated current(A)											
1~6	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82
10~25	1.27	1.24	1.19	1.13	1.07	1.02	1	0.96	0.91	0.87	0.82
32~40	1.27	1.24	1.19	1.13	1.08	1.04	1	0.97	0.92	0.88	0.83
50~63	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87	0.82

5. Dimensions and installation sizes





NXB-63G Moulded case circuit breaker

1. Compliant standards

IEC/EN 60947-2、VC8036、SANS 556-1、SANS 60947-2

2. Compliant certification

CE, CB, LoA

3. Major function

Overload protection, short circuit protection , positive isolation

4. Technical parameters

Rated current: 1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A,;
Rated voltage: 230V~/240V~(1P), 400V~/415V~(2P, 3P, 4P);
Frequency: 50/60Hz;
Rated instantaneous short-circuit current setting: 10In, 14.2In;
Number of poles: 1P, 2P, 3P, 4P;
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated ultimate short-circuit breaking capacity(Icu): 6000A;
Service short-circuit breaking capacity (Ics): 6000A;
Rated insulation voltage Ui: 500V;
Rated impulse withstand voltage (Uimp): 4kV;
Reference temperature for setting of thermal element: 40 C ;
Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

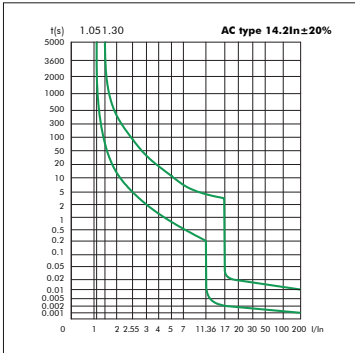
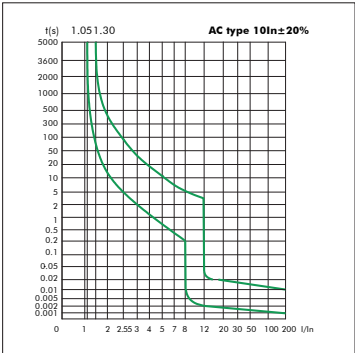
Rated current In (A)	Maximum power consumption per pole (W)
1~10	3
16	3.5
20~25	4.5
32	6
40	7.5
50	9
63	13

Temperature derating see table 2.

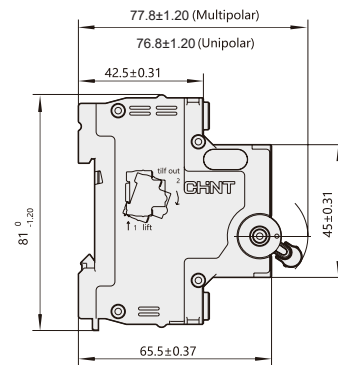
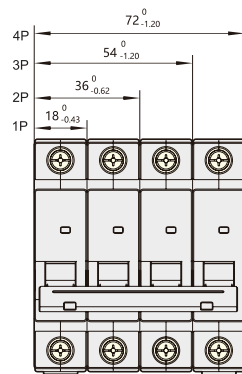
Table 2

Ambient temperature(°C)	-35	-20	-10	0	10	20	30	40	50	60	70
Rated current(A)											
1~6	1.31	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87
10~25	1.3	1.27	1.24	1.19	1.13	1.07	1.02	1	0.97	0.93	0.89
32~40	1.3	1.27	1.24	1.19	1.13	1.08	1.04	1	0.95	0.91	0.86
50~63	1.31	1.28	1.25	1.18	1.13	1.08	1.03	1	0.96	0.91	0.87

5. Curves



6. Dimensions and installation sizes





NXB-40 Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE

3. Major function

Overload protection, short circuit protection, positive isolation

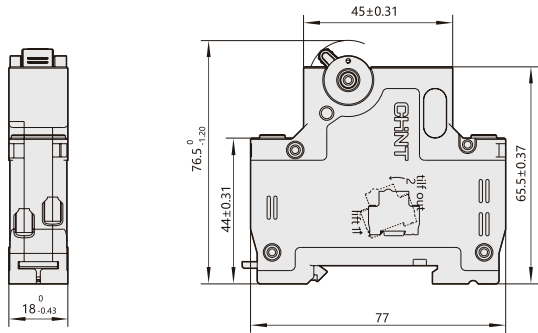
4. Technical parameters

Rated current: 6A, 10A, 16A, 20A, 25A, 32A, 40A;
Rated voltage: 230V;
Frequency: 50/60Hz;
Thermal magnetic release: C, D;
Number of poles: 1P+N;
Mechanical life: 20000 cycles;
Electrical life: 10000 cycles;
Rated short-circuit breaking capacity(Icu): 4500A;
Short-circuit breaking capacity(Ics): 4500A;
Rated impulse withstand voltage(Uimp): 4kV;
Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

Rated current In (A)	Maximum power consumption per pole (W)
6~10	2
16~32	3.5
40	5

5. Dimensions and installation sizes





NXB-125 Moulded case circuit breaker

1. Compliant standards

IEC/EN60947-2

2. Compliant certification

CE

3. Major function

Overload protection, short circuit protection, positive isolation

4. Technical parameters

Rated current: 63A, 70A, 80A, 90A, 100A (1P, 2P, 3P, 4P), 125A (1P, 2P);

Rated voltage: 230V ~ (1P), 400V ~ (2P, 3P, 4P);

Frequency: 50/60Hz

Thermal magnetic release: C: 8In, D:12In

Number of poles: 1P, 2P, 3P, 4P;

Mechanical life: 20000 cycles;

Electrical life: 6000 cycles ($I_n \leq 100A$); 4000 cycles ($I_n > 100A$);

Rated short-circuit breaking capacity(Icu): 10kA;

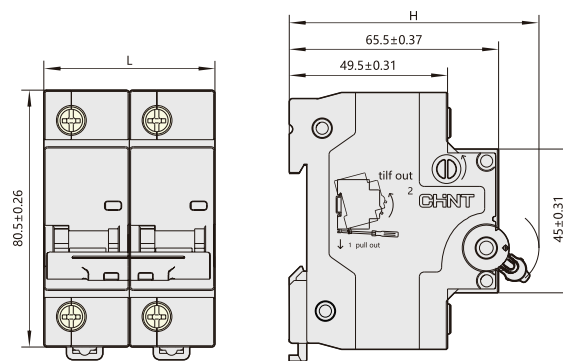
Short-circuit breaking capacity(Ics): 7.5kA;

Rated impulse withstand voltage(U_{imp}): 4kV;

DC parameters

Number of poles	1P			2P		
Rated operational voltage Ue (V)	60VDC	80VDC	110VDC	80VDC	125VDC	220VDC
Rated current In (A) 63, 80, 100, 125A	63, 80, 100, 125A					
Rated ultimate short circuit breaking capacity Icu (kA)	20	10	10	20	20	10
Rated service short circuit breaking capacity Ics (kA)	15	7.5	7.5	15	15	7.5

5. Dimensions and installation sizes



	1P	2P	3P	4P
L(mm)	27 ⁰ _{-0.52}	54 ⁰ _{-0.74}	81 ⁰ _{-1.40}	108 ⁰ _{-1.40}
H(mm)	75.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}



NXB-125G Miniature circuit breaker

1. Compliant standards

IEC/EN60898-1

2. Compliant certification

CE

3. Major function

Overload protection, short circuit protection, positive isolation

4. Technical parameters

Rated current: 63A, 80A, 100A(1P 2P 3P 4P), 125A(1P 2P) ;
Rated voltage: 230V – (1P), 400V – (2P 3P 4P);
Frequency: 50/60Hz
Thermal magnetic release: B curve (3-5In), C curve (5-10In), D curve(10-14In), OV curve (14-20In, the OV curve is only available in 3P 80A);
Number of poles: 1P 2P 3P 4P;
Mechanical life: 20000 cycles;
Electrical life: 6000 cycles (In≤100A); 4000 cycles (In > 100A);
Rated short-circuit breaking capacity(Icn): 10kA;
Short-circuit breaking capacity(Ics): 7.5kA;
Rated impulse withstand voltage(Uimp): 4kV;
Power consumption on each pole of the circuit breaker: see Table 1.

Table 1

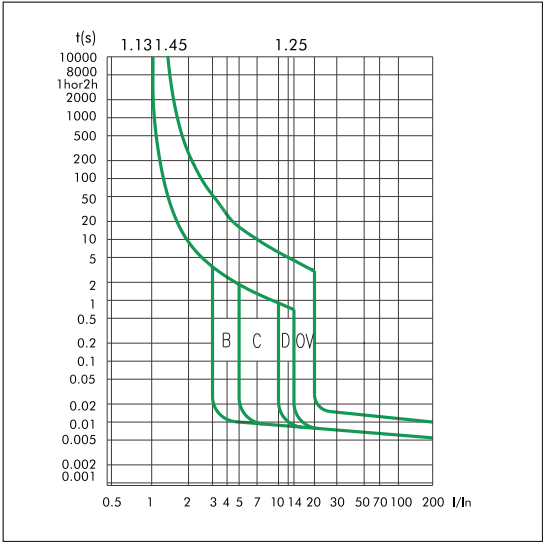
Rated current In (A)	Maximum power consumption per pole (W)
63	5
80	7
100	10
125	14

Temperature derating see table 2

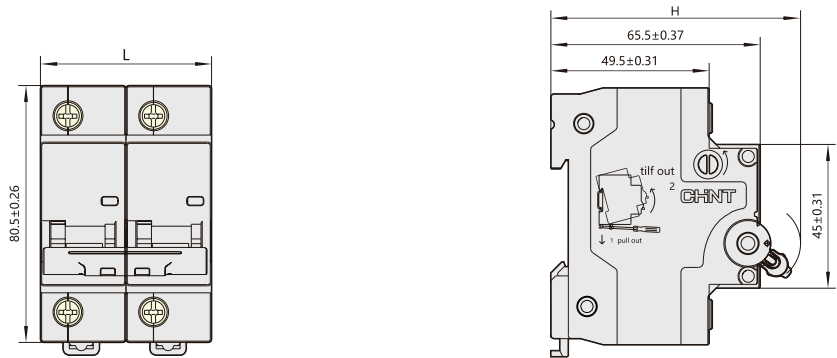
Table 2

Ambient temperature(°C)	-35	-20	-10	0	10	20	30	40	50	60	70
Rated current(A)											
63~125	1.43	1.33	1.26	1.2	1.14	1.07	1	0.93	0.87	0.81	0.74

5. Tripping Curve



6. Dimensions and installation sizes



	1P	2P	3P	4P
L(mm)	27 ⁰ _{-0.52}	54 ⁰ _{-0.74}	81 ⁰ _{-1.40}	108 ⁰ _{-1.40}
H(mm)	75.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}	78.5 ⁰ _{-1.20}