



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(I_{cn}): 6000A, 10000A(2P, 220V/230V/240V);

Short-circuit breaking capacity (I_{cs}): 6000A, 7500A(2P, 220V/230V/240V);

Rated insulation voltage U_i: 500V

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

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

Table 1

Rated current I _n (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
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

