



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 (3-5I_n), C curve (5-10I_n), D curve(10-14I_n), OV curve (14-20I_n, the OV curve is only available in 3P 80A);

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

Mechanical life: 20000 cycles;

Electrical life: 6000 cycles (I_n≤100A); 4000 cycles (I_n > 100A);

Rated short-circuit breaking capacity(I_{cn}): 10kA;

Short-circuit breaking capacity(I_{cs}): 7.5kA;

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

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

Table 1

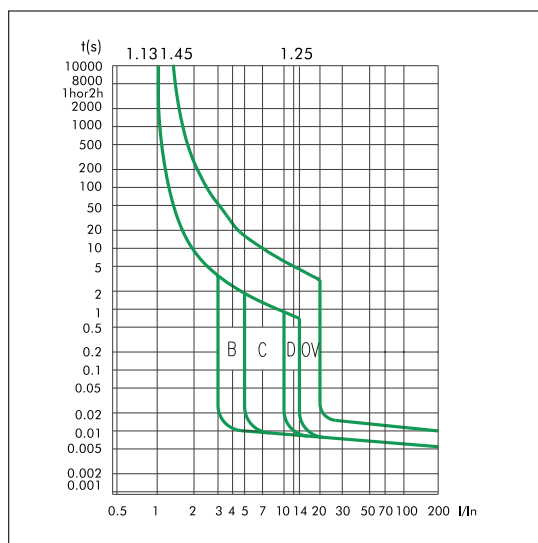
Rated current I _n (A)	Maximum power consumption per pole (W)
63	5
80	7
100	10
125	14

Temperature derating see table 2

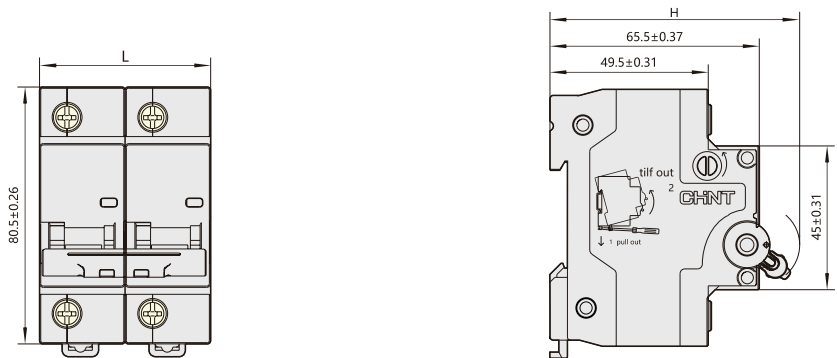
Table 2

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}