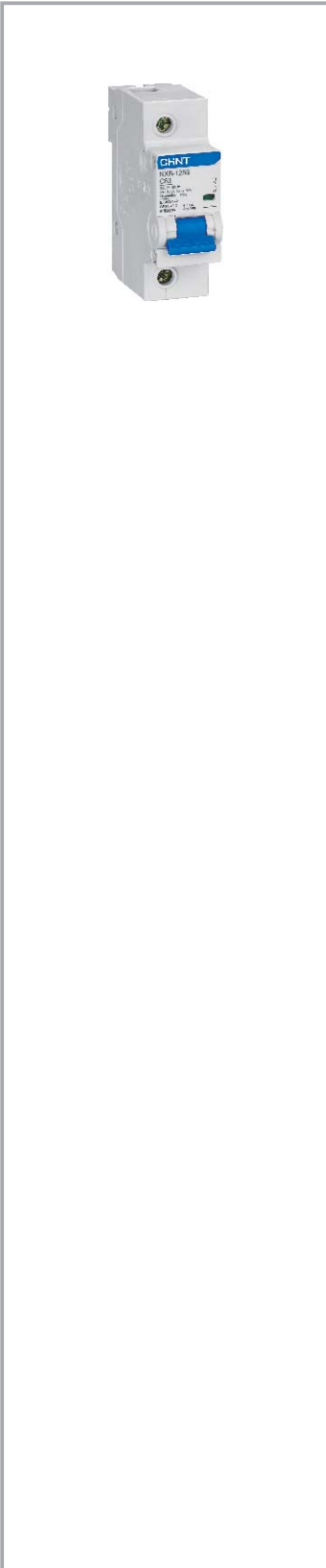




NXB-125G Miniature circuit breaker

1. Compliant standards

(80-100A) IEC60947-2 / IEC60898-1

(125A) IEC60947-2

2. Compliant certification

CE

3. Major function

Overload protection, short circuit protection, positive isolation

4. Technical parameters

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

Rated voltage: 240V ~ (1P), 415V ~ (2P, 3P, 4P);

Frequency: 50Hz;

Protection degree: IP20.

Electromagnetic release type: B, C, D;

Number of poles: 3P, 4P;

Mechanical life: 20000 cycles;

Terminal size cable: 16-50mm². (16-35mm² with end sleeve)

Tightening torque: 3,5Nm.

Ambient temperature: -5°C - +40°C

Storage temperature: -25°C - +70°C

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

Rated short-circuit breaking capacity(Icn): 10000A;

Short-circuit breaking capacity(Ics): 7500A;

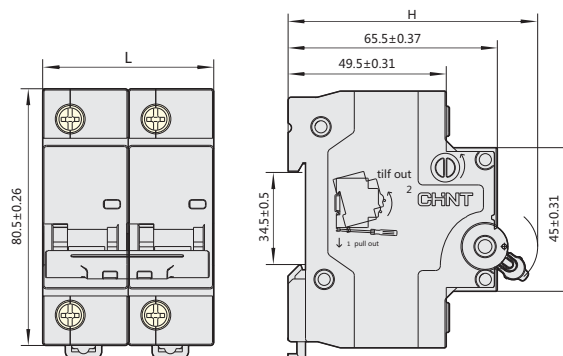
Rated impulse withstand voltage(Uimp): 4kV;

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	3.5
80	5.5
100	7.5
125	11.5

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}

Circuit breaker and switch parameters

Product model		NXB-125G
Compliant standards		IEC/EN60898-1 / IEC/EN 60947-2
Rated current (A)		80, 100, 125 (3P, 4P)
Rated voltage (V ~)		240/415
Rated frequency (Hz)		50
Number of poles		3P, 4P
Mechanical life (cycles)		20000
Electrical life (cycles)		6000(In≤100A), 4000(In>100A)
Rated short-circuit breaking capacity Ics (A)		7500
Short-circuit breaking capacity Icu (A)		10000
Rated impulse withstand voltage (1.2 / 50)(kV)		4
Dielectric test voltage (V)		(Power frequency 1 minute) 2000
Anti-humid and heat properties (IEC60068-2-30:55°C/90~96%,25°C/95~100%)		28 cycles
Terminals	Minimum cross section (mm²)	16
	Maximum cross section (mm²)	50 (35mm² with end sleeve)
	Standard connection torque (N·m)	3.5
	Maximum withstand torque (N·m)	4
	Wire insertion depth (mm)	15
Reference temperature for setting of thermal element (°C)		30
Ambient temperature (°C)		-35~+70
Ambient storage temperature (°C)		-35~+85
Applicable altitude (m)		2000
Temperature compensation coefficient (recommended value)	Change for every 10°C increase from the reference temp	-(0.03~0.05)In
	Change for every 10°C decrease from the reference temp	+(0.04~0.07)In
Cable entry		Top or bottom entry
Mounting		TH35-7.5-rail mounting
Pollution degree		Pollution degree III
Protection degree	Direct mounting	IP20