

MINIATURE CIRCUIT BREAKERS

B&B now offers CHINT high-quality Miniature Circuit Breakers to fit your supplementary protection needs. The NB1 Series of MCBs are UL1077 recognized and can be trusted to provide overcurrent protection for your automation control devices and components.

The NB1 MCB features include:

- UL 1077, CSA, VDE, CE
- Current ratings up to 63A
- Maximum 480VAC (multi-pole), 277VAC (single-pole)
- DC Voltage ratings for B-curve models
- B trip curves models available for general use and DC applications
- D trip curve models available for high starting current applications such as motor starting
- 5000 A Interrupt Rating
- DIN rail mount chassis
- Captive terminal screws won't fall out

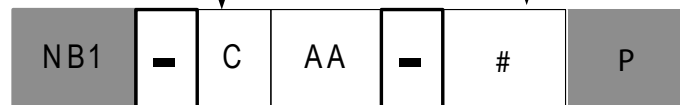


Valid Current Ratings

1-4
6
10
16
20
25
32
40
50
63

C = Curve: "B" or "D"

P = Poles: "1", "2" or "3"



AA = 2 Digit Amperage

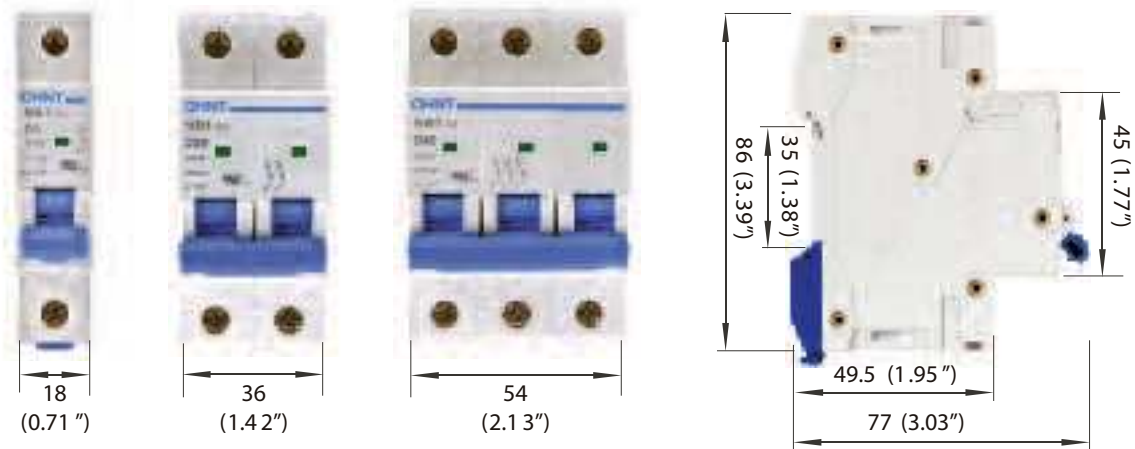
Example Part Number:

NB1-B10-2P

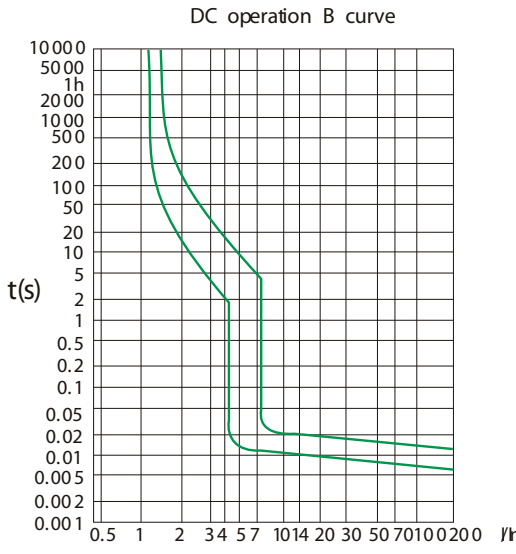
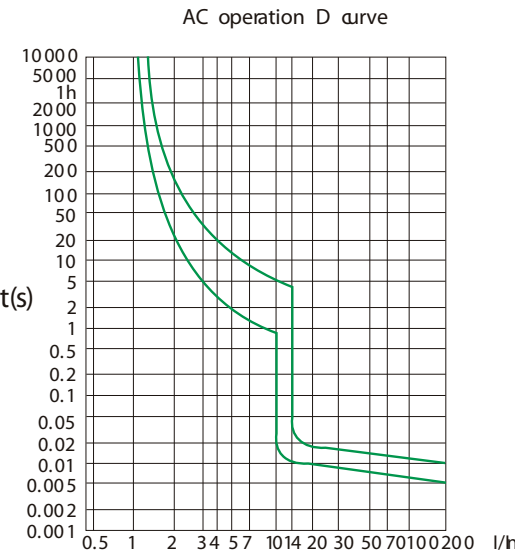
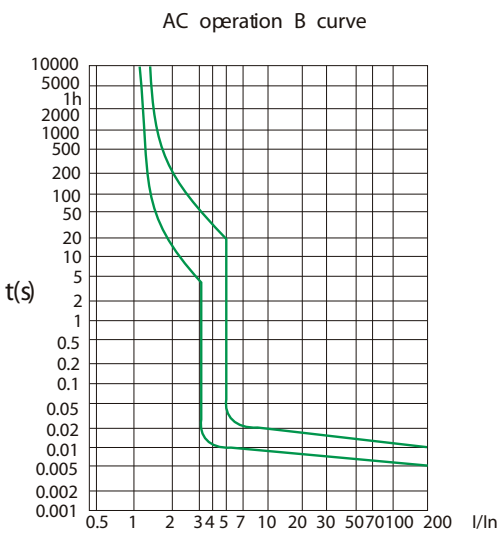
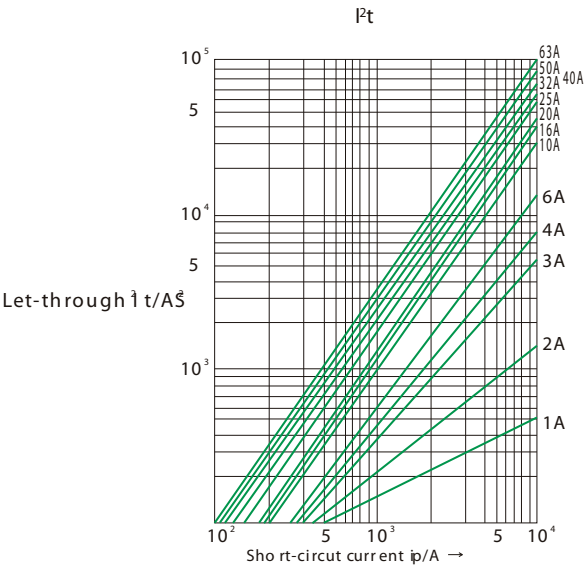
General Specifications

Agency Approvals	UL 1077, CSA; Standard: IEC60898, CV, ESC, FIMKO, KEMA, SEMKO, VDE, UKREST, PCT, RCC
Maximum Voltage	Single pole: 277VAC, 110VDC (DC Voltage for B curve only); Multi-pole: 480VAC, 125VDC (DC Voltage for B curve only)
Maximum Interrupt Rating	5k VAC, 10k VDC (DC Voltage for B curve only)
Lifespan	Mechanical: 10,000 operations; Electrical (Ie max.): 4000 operations
Switching Rate	Mechanical: 240 ops/hr; Electrical: 240 ops/hr (1-32A), 120 ops/hr (40-63A)
Ambient Temperature	Operating: -5 to +40°C (23 to +104°F)
Degree of protection	IP20
Max Power Consumption	2W (1-10A), 3.5W (16-32A), 5W (40-63A)
Terminal Capacity	1.0 to 16mm ² (17 to 6 AWG)
Tightening Torque	2.0 N.m

NB1 Dimensions



NB1 Characteristic Curves



Temperature	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	55°C	60°C
Compensation Coefficient	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.875	0.85