

# MINIATURE CIRCUIT BREAKERS

## CHINT

FactoryMation has now partnered with CHINT Electric Co. Ltd to provide 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:



from  
**\$5.90**

UL US  
File: E218757

SP CE

- 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

### B-Curve Models – Fast-acting trip curves for general use and DC applications

Rated Amps	1 Pole	Price	2 Pole	Price	3 Pole	Price	Max Voltage	Max IR
1	NB1-B1-1P	\$5.90	NB1-B1-2P	\$12.50	NB1-B1-3P	\$17.90	Single-pole: 277VAC, 110VDC Multi-pole: 480VAC, 125VDC	VAC: 5kA VDC: 10kA
2	NB1-B2-1P	\$5.90	NB1-B2-2P	\$12.50	NB1-B2-3P	\$17.90		
3	NB1-B3-1P	\$5.90	NB1-B3-2P	\$12.50	NB1-B3-3P	\$17.90		
4	NB1-B4-1P	\$5.90	NB1-B4-2P	\$12.50	NB1-B4-3P	\$17.90		
6	NB1-B6-1P	\$5.90	NB1-B6-2P	\$12.50	NB1-B6-3P	\$17.90		
10	NB1-B10-1P	\$5.90	NB1-B10-2P	\$12.50	NB1-B10-3P	\$17.90		
16	NB1-B16-1P	\$5.90	NB1-B16-2P	\$12.50	NB1-B16-3P	\$17.90		
20	NB1-B20-1P	\$5.90	NB1-B20-2P	\$12.50	NB1-B20-3P	\$17.90		
25	NB1-B25-1P	\$5.90	NB1-B25-2P	\$12.50	NB1-B25-3P	\$17.90		
32	NB1-B32-1P	\$5.90	NB1-B32-2P	\$12.50	NB1-B32-3P	\$17.90		
40	NB1-B40-1P	\$5.90	NB1-B40-2P	\$12.50	NB1-B40-3P	\$17.90		
50	NB1-B50-1P	\$5.90	NB1-B50-2P	\$12.50	NB1-B50-3P	\$17.90		
63	NB1-B63-1P	\$5.90	NB1-B63-2P	\$12.50	NB1-B63-3P	\$17.90		

### D-Curve Models – Time-delay trip curves for high starting current applications such as motor starting

Rated Amps	1 Pole	Price	2 Pole	Price	3 Pole	Price	Max Voltage	Max IR
1	NB1-D1-1P	\$5.90	NB1-D1-2P	\$12.50	NB1-D1-3P	\$17.90	Single-pole: 277VAC, 110VDC Multi-pole: 480VAC, 125VDC	VAC: 5kA VDC: 10kA
2	NB1-D2-1P	\$5.90	NB1-D2-2P	\$12.50	NB1-D2-3P	\$17.90		
3	NB1-D3-1P	\$5.90	NB1-D3-2P	\$12.50	NB1-D3-3P	\$17.90		
4	NB1-D4-1P	\$5.90	NB1-D4-2P	\$12.50	NB1-D4-3P	\$17.90		
6	NB1-D6-1P	\$5.90	NB1-D6-2P	\$12.50	NB1-D6-3P	\$17.90		
10	NB1-D10-1P	\$5.90	NB1-D10-2P	\$12.50	NB1-D10-3P	\$17.90		
16	NB1-D16-1P	\$5.90	NB1-D16-2P	\$12.50	NB1-D16-3P	\$17.90		
20	NB1-D20-1P	\$5.90	NB1-D20-2P	\$12.50	NB1-D20-3P	\$17.90		
25	NB1-D25-1P	\$5.90	NB1-D25-2P	\$12.50	NB1-D25-3P	\$17.90		
32	NB1-D32-1P	\$5.90	NB1-D32-2P	\$12.50	NB1-D32-3P	\$17.90		
40	NB1-D40-1P	\$5.90	NB1-D40-2P	\$12.50	NB1-D40-3P	\$17.90		
50	NB1-D50-1P	\$5.90	NB1-D50-2P	\$12.50	NB1-D50-3P	\$17.90		
63	NB1-D63-1P	\$5.90	NB1-D63-2P	\$12.50	NB1-D63-3P	\$17.90		

### Accessories

Part Number	Description	Price
NB1-F9	Auxiliary Contact, side-mount, 1N.O./1N.C.	\$13
NB1-NS9	Shunt release	\$15
NB1-NV9	Under voltage release	\$14
NB1-BB-1P	Busbar - 1 pole, 1 meter length	\$15
NB1-BB-2P	Busbar - 2 pole, 1 meter length	\$27
NB1-BB-3P	Busbar - 3 pole, 1 meter length	\$35

### General Specifications

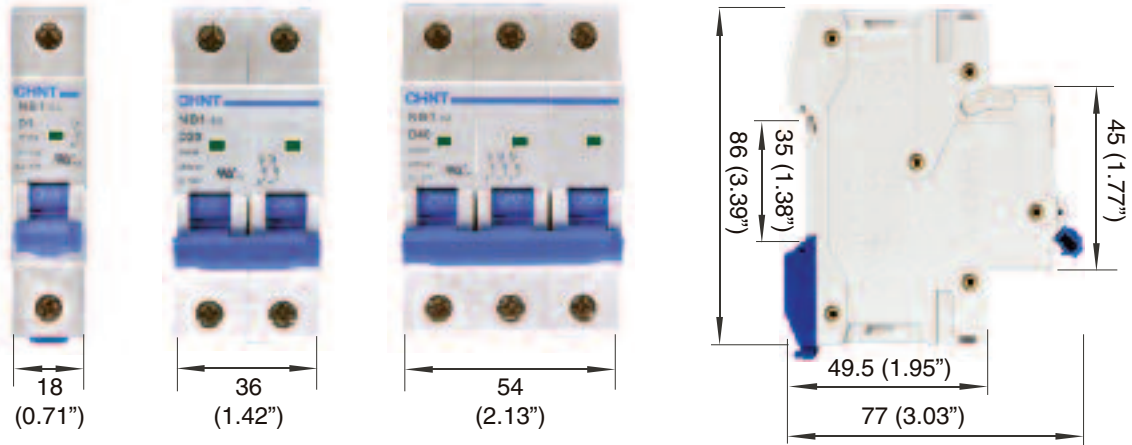
Agency Approvals	UL 1077, CSA; Standard: IEC60898, CV, ESC, FIMKO, KEMA, SEMKO, VDE, UKREST, PCT, RCC
Maximum Voltage	Single pole: 277VAC, 110VDC (DC Voltage for B curve only); Multi-pole: 480VAC, 125VDC (DC Voltage for B curve only)
Maximum Interrupt Rating	5k VAC, 10k VDC (DC Voltage for B curve only)
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 <sup>2</sup> (17 to 6 AWG)
Tightening Torque	2.0 N.m

To order call **1.800.972.0436** or visit **factorymation.com**

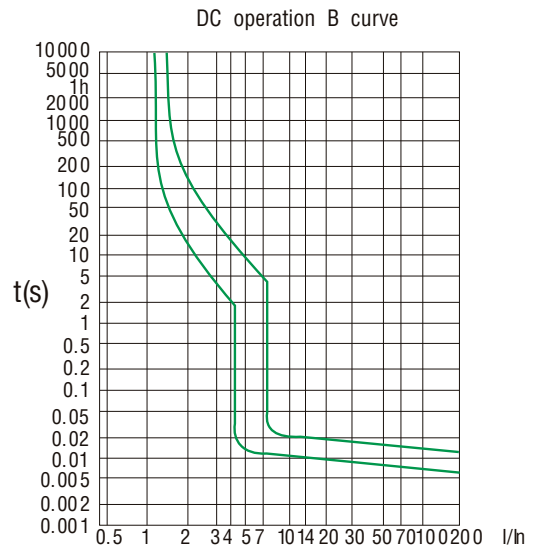
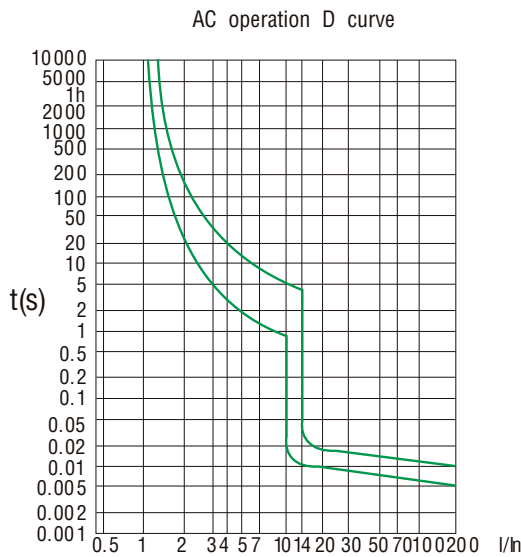
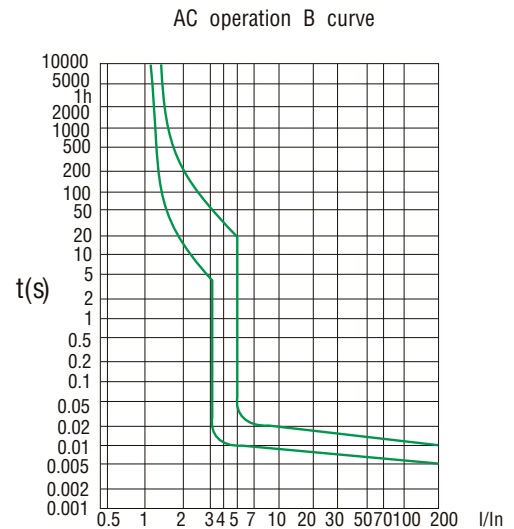
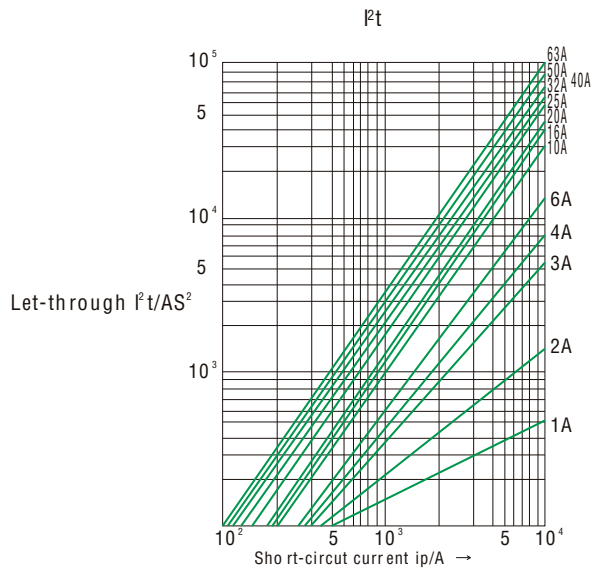
No Games, No Gimmicks...

...Just Great Products at Great Prices!!!

**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

**FREE Ground Shipping!\***  
for online orders over \$500

