

SUPPLEMENTARY PROTECTORS



from
\$6



Features

- 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
- UL 1077, CSA, VDE, CE
- Current ratings up to 63A
- Maximum 480VAC (multi-pole), 277VAC (single-pole)
- DC Voltage ratings for B-curve models
- 5000 A Interrupt Rating
- DIN rail mount chassis
- Captive terminal screws won't fall out

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
ICB-0465	IP65 Polycarbonate enclosure 8.3"Hx5.6"Wx4"D (1 to 4-slot)	\$22
ICB-0865	IP65 Polycarbonate enclosure 8.3"Hx8.5"Wx4"D (1 to 8-slot)	\$28
NB1-BB-2P	Busbar - 2 pole, 1 meter length	\$27
NB1-BB-3P	Busbar - 3 pole, 1 meter length	\$35

Note 1: Larger enclosures available, see our web site
Note 2: Other DIN-rail lengths available, see our web site

ICB Enclosures from 4 slots to 54 slots (see Plastic Enclosures)



ICB-0865
8-Slot

B-Curve Models

Fast-acting trip curves for general use and DC applications

Rated Amps	1 Pole	Price	12 PK Price	2 Pole	Price	6 PK Price	3 Pole	Price	4 PK Price	Max Voltage	Max IR
1	NB1-B1-1P	\$6	\$65	NB1-B1-2P	\$12	\$65	NB1-B1-3P	\$18	\$65	Single-pole: 277VAC 110VDC	VAC: 5kA
2	NB1-B2-1P	\$6	\$65	NB1-B2-2P	\$12	\$65	NB1-B2-3P	\$18	\$65		
3	NB1-B3-1P	\$6	\$65	NB1-B3-2P	\$12	\$65	NB1-B3-3P	\$18	\$65		
4	NB1-B4-1P	\$6	\$65	NB1-B4-2P	\$12	\$65	NB1-B4-3P	\$18	\$65		
6	NB1-B6-1P	\$6	\$65	NB1-B6-2P	\$12	\$65	NB1-B6-3P	\$18	\$65		
10	NB1-B10-1P	\$6	\$65	NB1-B10-2P	\$12	\$65	NB1-B10-3P	\$18	\$65		
16	NB1-B16-1P	\$6	\$65	NB1-B16-2P	\$12	\$65	NB1-B16-3P	\$18	\$65	Multi-pole: 480VAC 125VDC	VDC: 10kA
20	NB1-B20-1P	\$6	\$65	NB1-B20-2P	\$12	\$65	NB1-B20-3P	\$18	\$65		
25	NB1-B25-1P	\$6	\$65	NB1-B25-2P	\$12	\$65	NB1-B25-3P	\$18	\$65		
32	NB1-B32-1P	\$6	\$65	NB1-B32-2P	\$12	\$65	NB1-B32-3P	\$18	\$65		
40	NB1-B40-1P	\$6	\$65	NB1-B40-2P	\$12	\$65	NB1-B40-3P	\$18	\$65		
50	NB1-B50-1P	\$6	\$65	NB1-B50-2P	\$12	\$65	NB1-B50-3P	\$18	\$65		
63	NB1-B63-1P	\$6	\$65	NB1-B63-2P	\$12	\$65	NB1-B63-3P	\$18	\$65		

D-Curve Models

Time-delay trip curves for high starting current applications such as motor starting

Rated Amps	1 Pole	Price	12 PK Price	2 Pole	Price	6 PK Price	3 Pole	Price	4 PK Price	Max Voltage	Max IR
1	NB1-D1-1P	\$6	\$65	NB1-D1-2P	\$12	\$65	NB1-D1-3P	\$18	\$65	Single-pole: 277VAC	VAC: 5kA
2	NB1-D2-1P	\$6	\$65	NB1-D2-2P	\$12	\$65	NB1-D2-3P	\$18	\$65		
3	NB1-D3-1P	\$6	\$65	NB1-D3-2P	\$12	\$65	NB1-D3-3P	\$18	\$65		
4	NB1-D4-1P	\$6	\$65	NB1-D4-2P	\$12	\$65	NB1-D4-3P	\$18	\$65		
6	NB1-D6-1P	\$6	\$65	NB1-D6-2P	\$12	\$65	NB1-D6-3P	\$18	\$65		
10	NB1-D10-1P	\$6	\$65	NB1-D10-2P	\$12	\$65	NB1-D10-3P	\$18	\$65		
16	NB1-D16-1P	\$6	\$65	NB1-D16-2P	\$12	\$65	NB1-D16-3P	\$18	\$65	Multi-pole: 480VAC	
20	NB1-D20-1P	\$6	\$65	NB1-D20-2P	\$12	\$65	NB1-D20-3P	\$18	\$65		
25	NB1-D25-1P	\$6	\$65	NB1-D25-2P	\$12	\$65	NB1-D25-3P	\$18	\$65		
32	NB1-D32-1P	\$6	\$65	NB1-D32-2P	\$12	\$65	NB1-D32-3P	\$18	\$65		
40	NB1-D40-1P	\$6	\$65	NB1-D40-2P	\$12	\$65	NB1-D40-3P	\$18	\$65		
50	NB1-D50-1P	\$6	\$65	NB1-D50-2P	\$12	\$65	NB1-D50-3P	\$18	\$65		
63	NB1-D63-1P	\$6	\$65	NB1-D63-2P	\$12	\$65	NB1-D63-3P	\$18	\$65		

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



ICB-5465
54-Slot
(3 x 18 Slots)



ICB-3665
36-Slot
(2 x 18 Slots)



ICB-2465
24-Slot
(2 x 12 Slots)



ICB-1865
18-Slot



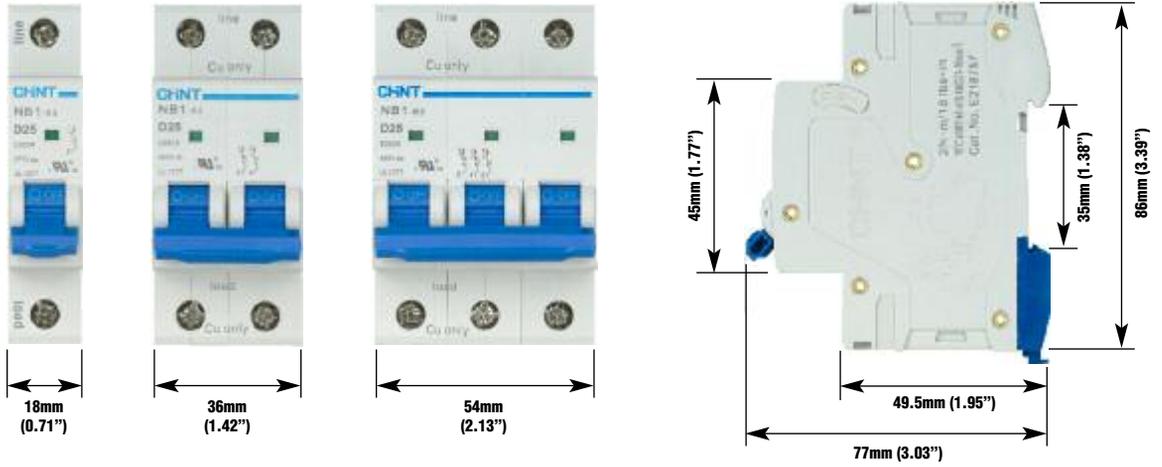
ICB-0465
4-Slot



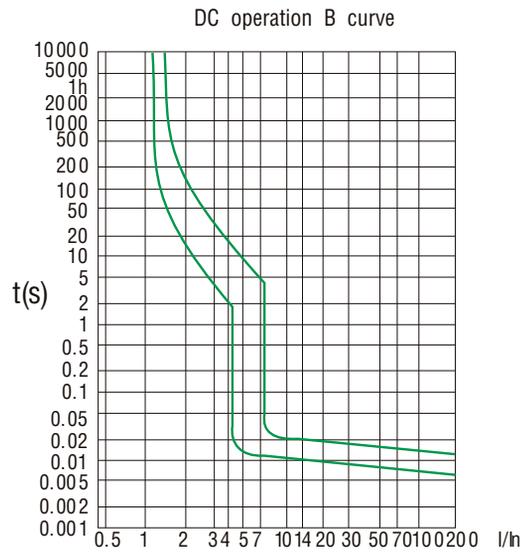
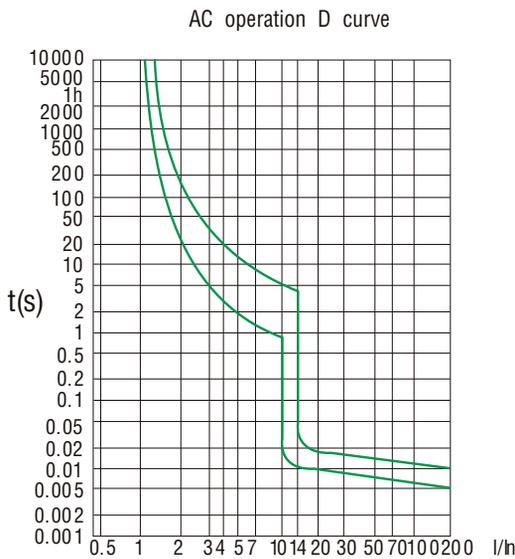
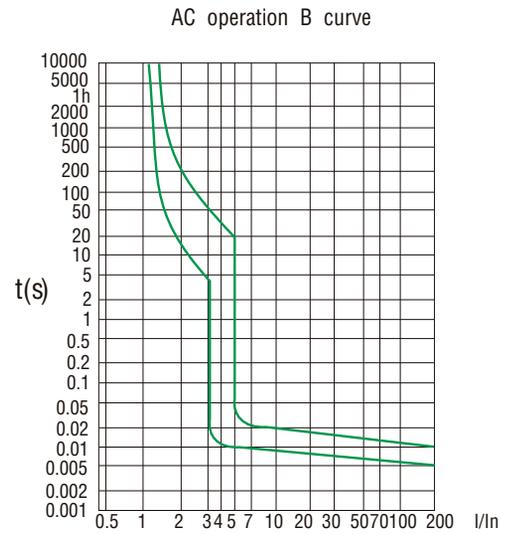
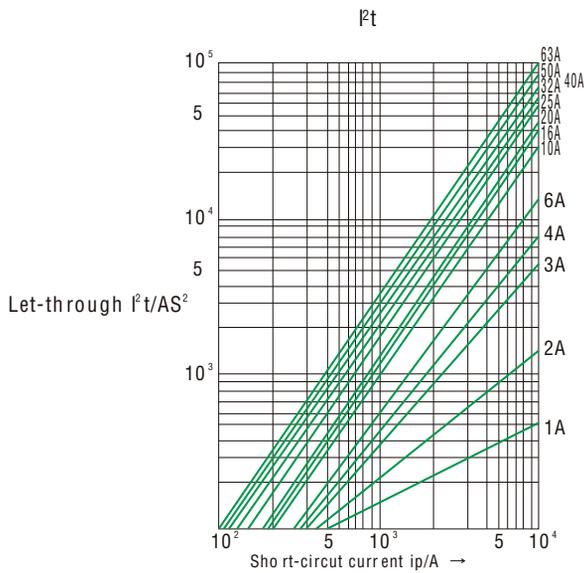
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NB1 Dimensions



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

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