

Shanghai Liangxin Electrical Co., Ltd.

Product Specification of NDB1-32

Products Name :Miniature Circuit Breaker

Products model: NDB1-32

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[illegible]

1 Application

- Protection against short circuit
- Protection against overload
- Control
- Isolation

NDB1-32 series MCB is used in low voltage electrical distribution system in industry, business, power, and telecom and construction field.

2 Product Picture: (The picture is for reference only; the specific kind prevail)



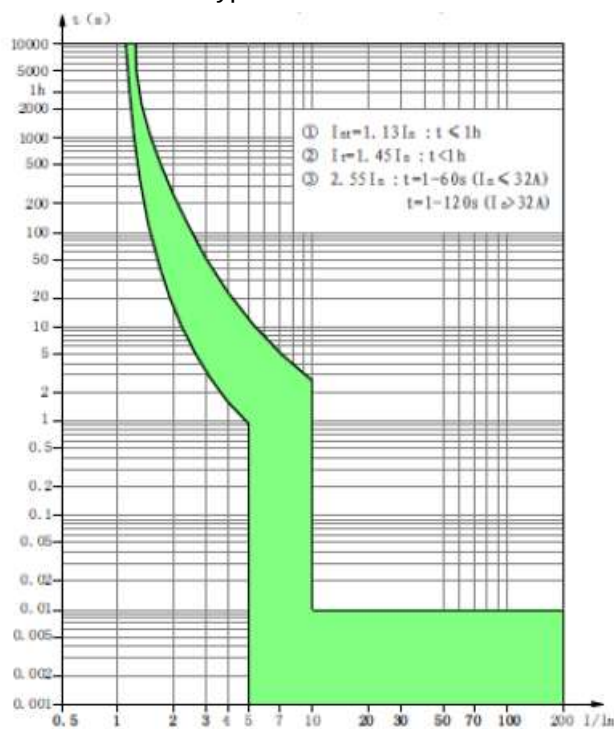
3 Model and implication

ND	B	1	—	32	C	6	/	□
Nader	MCB	Design	Frame Size	Tripping Curve	Rated current(A)	Poles		
Nader Brand		Code	32A	C Curve	6、10、16 20、25、32	Empty =1P+N		

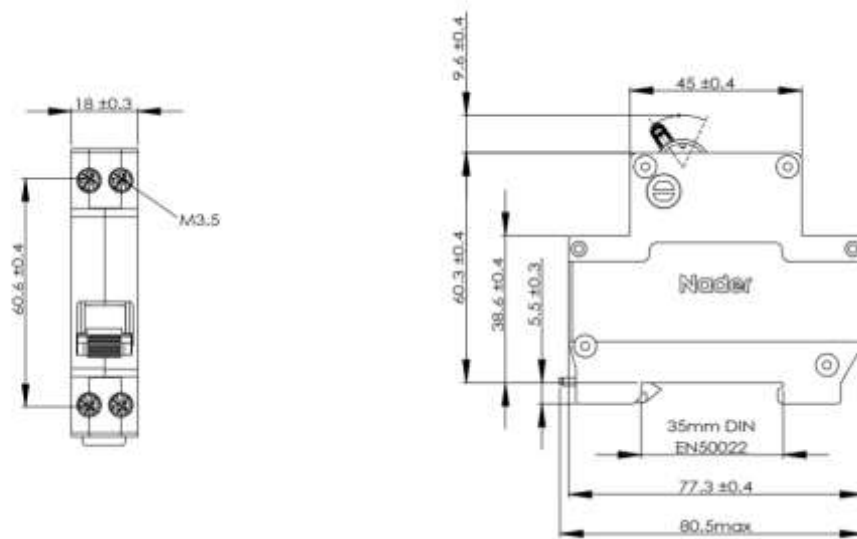
4 Main technical parameters

- Electrical parameters
 - Rated working voltage (Ue): AC230V
 - Rated current (In): 6A、10A、16A、20A、25A、32A
 - Rated breaking capability: 4.5kA
 - Rated operating capability : 4.5kA
 - Impulse voltage endurance: 4kV
 - Rated Insulation Voltage: 400V
- Mechanical & electrical endurance: 16000 times
 - electrical endurance: 5000 times; Mechanical endurance: 10000 times

- Wiring
 - Adopt tunnel type wiring
 - Connection capability: 1mm^2 to 10mm^2
 - Connection screw M4, Torque: 1.2N.m
 - C curve
 - Illumination distribution system
 - Tripping characteristic: instantaneous trip between $5I_n$ to $10I_n$
 - Product certification and implementation standard.:
 - Product certificate: CCC;
 - Product certification standard: GB/T 10963.1, IEC60898-1
 - Environmental requirements: RoHS
- 5 Working condition
- Ambient temperature: $-40^\circ\text{C} \sim +70^\circ\text{C}$
 - Relative air humidity $\leq 95\%$
 - Altitude $\leq 2000\text{m}$
 - Pollution degree: 2
 - Used in place without obvious shock and vibration
 - Protection Degree: IP20
- 6 Tripping curves (reference calibration temperature 30°C)

Type C (5-10) I_n 

7 Outline dimensions and installation



8 Mounting

Modularized structure can be easily installed in TH35mm×7.5 Standard DIN rail.

9 Packaging and storage

9.1 Maximum packing quantity

1-pole: 12 pieces in a box, 12 boxes in an overwrap carton.

9.2 The products should be stored in the warehouse where there is ventilation. The relative humidity there should not exceed 80%, and the ambient temperature there is between -40°C to $+80^{\circ}\text{C}$. In addition, there should not be acidic, alkaline and corrosive gas in the air. The products should not be deposited more than 3 years in the above mentioned conditions since the producing date.

10 Accessories

Null

11 Notices

11.1 Manufacturer will take no responsibility for problems caused by disassembly privately.

11.2 Attention to live part when the breaker is energized and avoid touching them.

11.3 Manufacturer will take no responsibility for the quality problem caused by adjusting the characteristic of the breaker privately.

11.4 Wiring properly to avoid mis-trip or terminal burn.