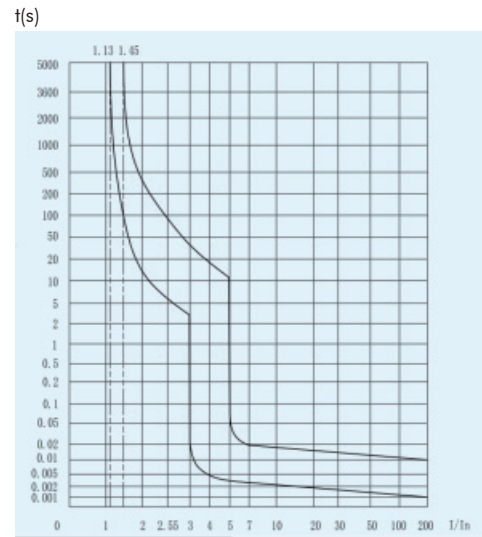




## 2. Technical data

### 2.1 curve



## NB2LE-40ZT Smart Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

### 1. General

#### 1.1 function

This product is mainly suitable for AC 50Hz, rated voltage 230V, rated current to 40A line, overload, short circuit, overvoltage, undervoltage protection and leakage protection, can also be used as infrequent line on and off under normal circumstances.

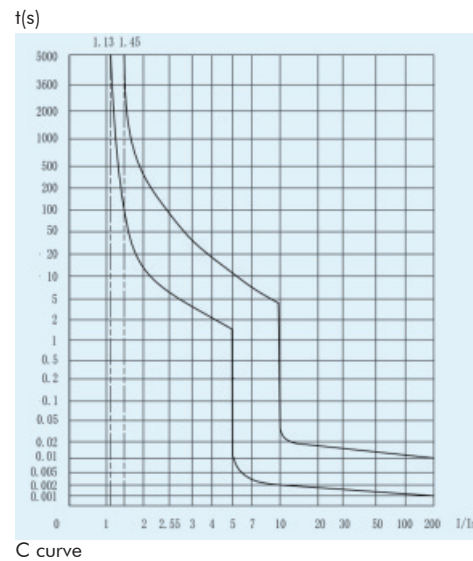
The product also features remote control, electrical parameter (voltage, current, power) measurement, and networking with external devices via RS485 communication interface or Bluetooth

Main functions: overload protection, short circuit protection, overvoltage protection, undervoltage protection, leakage protection, electrical parameter measurement, remote opening and closing.

#### 1.2 approvals and certificate

Standard: IEC/EN 61009-1

Certification: CE



## 2.2 Technical parameter

Product		NB2LE-40ZT
Rated current(A)		6,10,16,20,25,32,40
Rated sensitivity I $\Delta$ n(A)		0.03
Type (wave form of the earth leakage sensed)		AC, A
Rated voltage		AC230
Rated frequency (Hz)		50
Poles		1P+N
Thermo-magnetic release characteristic		B, C
Mechanical life		10,000
Electrical life		4,000
Rated breaking capacity (KA)		6
Rated insulation voltage (V)		500
Rated impulse withstand voltage (kV)		4
Dielectric test voltage (kV)		2
Installation	Terminal connection type	Cable/Pin type busbar
	Minimum cross-sectional area of the wiring(mm <sup>2</sup> )	1
	Maximum cross-sectional area of the wiring (mm <sup>2</sup> )	16
	Tightening torque(N·m)	2
	Connection	From top
	Mounting	Type TH35-7.5 Standard DIN rails
Reference temperature(°C)		30
Working ambient temperature (°C)		-25-70
Storage temperature (°C)		-40-70
Applicable altitude (m)		<= 1500
Overvoltage and undervoltage protection (parameters can be set, and the factory default values are in the table)		overvoltage action threshold range 280V±5V
		overvoltage recovery threshold range 250V±5V
		overvoltage minimum no-drive time 2s
		undervoltage action threshold range 165V±5V
		undervoltage recovery threshold range 190V±5V
		undervoltage minimum non-driving time 3s
Communication function		Communication protocols: Modbus-RTU
		RS485:A\B\GND
Electrical parameter measurement function	Current	±1.0%
	Voltage	±1.0%
	Power	±2.0%
Pollution degree		2
Protection degree		IP20
Assembled accessories		None

## 3. Overall and mounting dimension (mm)

