



NB3LEU Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

1. General

1.1 Selection

Rated residual operating current

 $I\Delta n = 30 \text{ mA}$:

additional protection in the case of direct contact.

Tripping class

AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

Tripping curve

B curve (3-5 In) protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems.

C curve (5-10 In) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.

1.2 Approvals and certificates

Detailed information, please refer to Certificates Table on the last page.

CHNT

2. Ordering information

NB3LEU Curve B; 10KA; AC Type





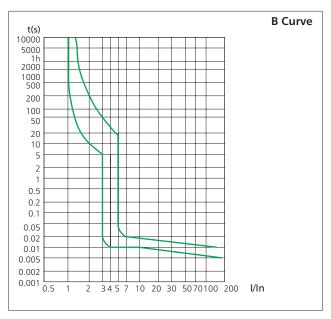


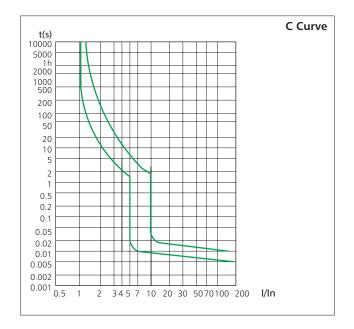
In (A)	Un (V)	I∆n (mA)	Code	
6	240	30	985599	
10	240	30	985600	
13	240	30	985601	
16	240	30	985602	
20	240	30	985603	
25	240	30	985604	
32	240	30	985605	
40	240	30	985895	

In (A)	Un (V)	I∆n (mA)	Code	
6	240	30	985606	
10	240	30	985607	
13	240	30	985608	
16	240	30	985609	
20	240	30	985610	
25	240	30	985611	
32	240	30	985612	
40	240	30	985896	

3. Technical data

3.1 Curves







3 2

	Standard		IEC/EN 61009-1					
	Type (wave form of the earth leakage sensed)		AC					
	Thermo-magnetic release characteristic		В, С					
	Rated current In	Α	6, 10, 13, 16, 20, 25, 32, 40					
	Poles		1P+N					
	Rated voltage Ue	V	240					
	Rated sensitivity I△n	А	0.03					
Electrical features	Rated residual making and breaking capacity l△m	А	500					
	Rated short-circuit capacity lcn	А	10,000					
	Break time under I△n	S	≤0.1					
	Rated frequency	Hz	50/60					
	Rated impulse withstand voltage (1.2/50)Uimp	V	4,000					
	Dielectric TEST voltage at ind. Freq. for 1min	kV	2					
	Insulation voltage Ui		500					
	Pollution degree		2					
	Electrical life		2,000					
	Mechanical life		2,000					
	Contact position indicator		Yes					
	Protection degree		IP20					
Break time under I△n	-5+40 (Special application please refer to P55 for temperature compensation correction)							
	-25+70							
	Terminal connection type		Cable/U-type busbar/Pin-type busbar					
	Tourist in the Assume Complete	mm²	16					
	ierminal size top/bottom for cable		18-5					
	Torminal size ton/hettem for bush-	mm²	10					
Inctallatic -	reminal size top/porton for busbal	AWG	18-8					
installation	Tightening torque		2					
			18					
	Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device					
	Connection		From bottom					

3.3 Temperature derating

The maximum permissible current in a circuit breaker depends on the ambient temperature where the circuit breaker is placed. Ambient temperature is the temperature inside the enclosure or switchboard in which the circuit breakers are installed.

The	reference	temperature	is	30℃
-----	-----------	-------------	----	-----

Temperature	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	60℃
Temperature compensation coefficient of rated current	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.85

4. Overall and mounting dimensions (mm)

