

NB8 -63

Miniature Circuit Breaker



NB8 -63

1. GENERAL

1.1 Function

protection of circuits against short-circuit currents,
protection of circuits against overload currents,
switch, isolation.

NB8 -63 circuit-breakers are used in domestic installation,
as well as in commercial and industry electrical
distribution systems.

1.2 Selection

Technical data of the network at the point considered:
short-circuit current at the circuit-breaker installation point,
which must always be less than the breaking capacity of
this device, network normal voltage.

Tripping curves:

B curve (3-5In)

protection for people and big length cables in TN and IT
systems.

C curve (5-10In)

protection for resistive and inductive loads with low inrush
current.

D curve(10-16In)

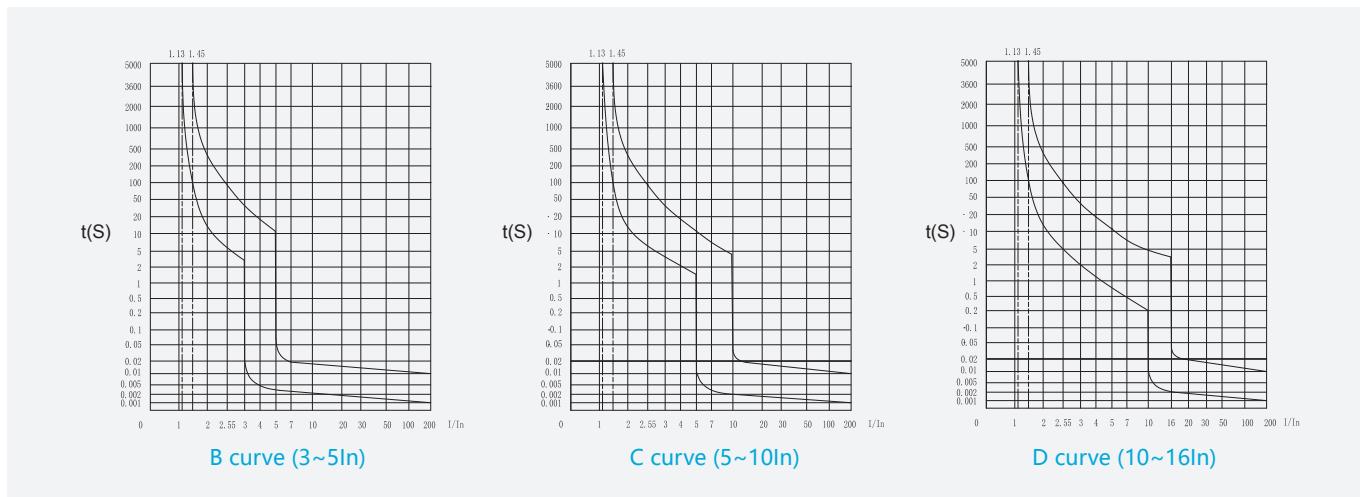
protection for circuits which supply loads with high inrush
current at the circuit closing
(LV/LV transformers, breakdown lamps).

1.3 Certificates

CE

2. TECHNICAL DATA

Standard	IEC 60898-1	
Rated current In	A	1、2、3、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue	V	230 / 400
Rated frequency	Hz	50
Poles		1P , 1P+N , 2P , 3P , 3P+N , 4P
Thermo-magnetic release characteristic		B(3~5In), C(5~10In), D(10~16In),
Mechanical life		20,000
Electrical life		10,000
Rated breaking capacity	A	6000
Insulation voltage Ui	V	500
Rated impulse withstand voltage (1.2/50) Uimp	KV	6
Installation	Terminal connection type	Cable/ U-type/ Pin-type busbar
	Terminal size top/bottom for busbar	mm ² 25
		AWG 18-4
	Terminal size top/bottom for cable	mm ² 10
		AWG 18-8
	Tightening torque	N·m 2.0 In-lbs. 22
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
	Connection	From top and bottom
Reference temperature for setting of thermal element	°C	30
Ambient temperature (with daily average≤35°C)	°C	-35...+70
Storage temperature	°C	-35...+70
Protection degree		IP20
Pollution degree		3
Combination with accessories		S9, V9, XF9, XF9J, OVT-1, OUVT-1



3. OVERALL AND MOUNTING DIMENSIONS (MM)

