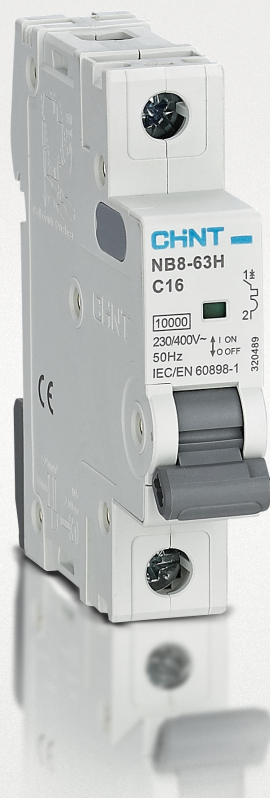


NB8 -63H

Miniature Circuit Breaker



NB8 -63H

1. GENERAL

1.1 Function

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

NB8 -63H 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 (3-5I_n)

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

C curve (5-10I_n)

protection for resistive and inductive loads with low inrush
current.

D curve(10-16I_n)

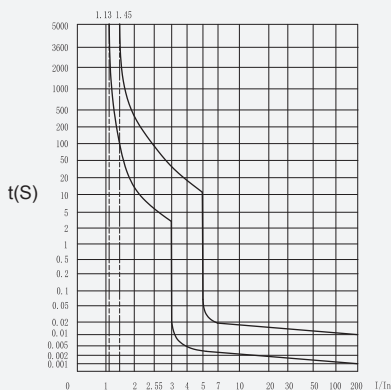
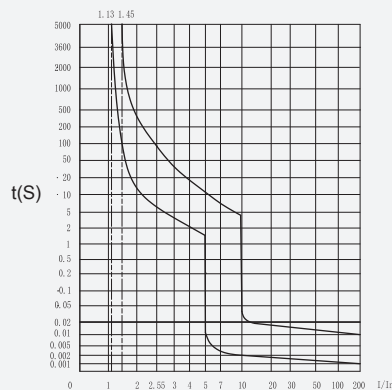
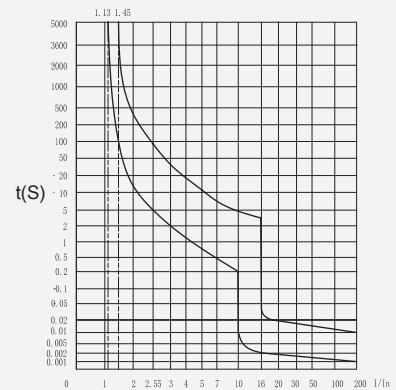
protection for circuits which supply loads with high inrush
current at the circuit closing
(LV/LV transformers, breakdown lamps).

1.3 Certificates

CE

2. TECHNICAL DATA

Standard		IEC 60898-1
Rated current I_n	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
Rated voltage U_e	V	230 / 400
Rated frequency	Hz	50
Poles		1P, 1P+N, 2P, 3P, 3P+N, 4P
Thermo-magnetic release characteristic		B(3-5 I_n), C(5-10 I_n), D(10-16 I_n),
Mechanical life		20,000
Electrical life		10,000
Rated breaking capacity	A	10,000
Insulation voltage U_i	V	500
Rated impulse withstand voltage (1.2/50) U_{imp}	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
		lbf·ft 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 $\leq 35^\circ\text{C}$)		°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

B curve (3~5 I_n)C curve (5~10 I_n)D curve (10~16 I_n)

3. OVERALL AND MOUNTING DIMENSIONS (MM)

