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.

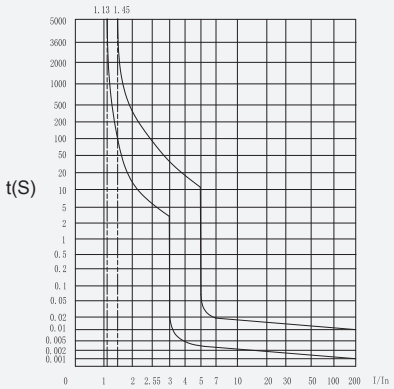
D curve(10-16In)
protection for circuits which supply loads with high inrush current at the circuit closing
(LV/LV transformers, breakdown lamps).

1.3 Certificates

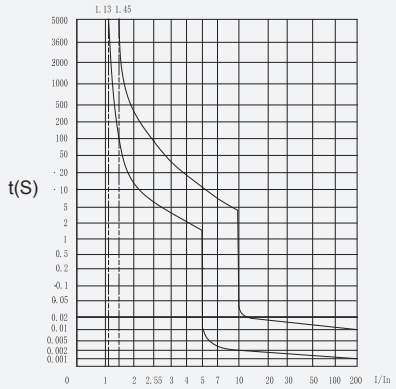
CE

2. TECHNICAL DATA

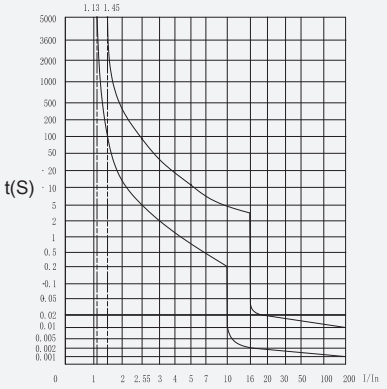
Standard			IEC 60898-1
Rated current In		A	1、2、3、4、6、10、16、20、25、32、40、50、63
Rated voltage Ue		V	230 / 400
Rated frequency		Hz	50
Poles			1P , 1P+N , 2P , 3P , 3P+N , 4P
Thermo-magnetic release characteristic			B(3-5In)，C(5-10In)，D(10-16In)，
Mechanical life			20,000
Electrical life			10,000
Rated breaking 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		℃	30
Ambient temperature (with daily average≤35℃)		℃	-35...+70
Storage temperature		℃	-35...+70
Protection degree			IP20
Pollution degree			3
Combination with accessories			S9, V9, XF9, XF9J, OVT-1, OUVT-1



B curve (3~5In)



C curve (5~10In)



D curve (10~16In)

3. OVERALL AND MOUNTING DIMENSIONS (MM)