

NB8 -63M

Miniature Circuit Breaker
(Magnetic type)



NB8 -63M

1. GENERAL

1.1 Function

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

NB8 -63M 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:

C curve (6.4In-9.6In)

protection for resistive and inductive loads with low inrush current.

D curve(9.6-14.4In)

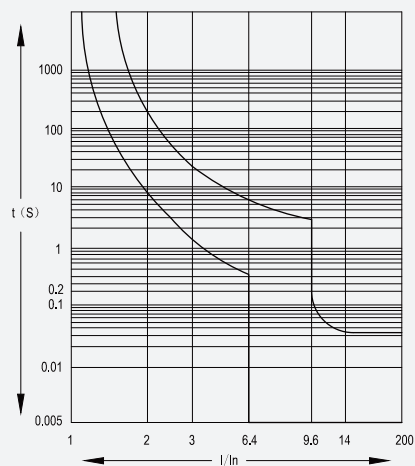
protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

1.3 Certificates

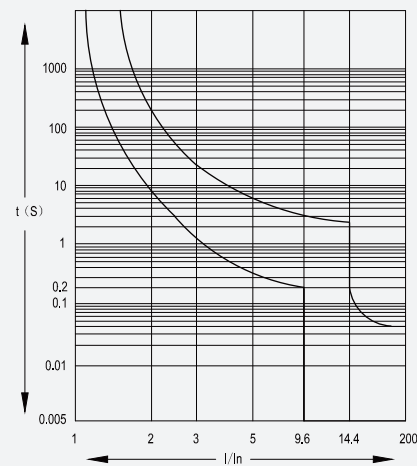
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2. TECHNICAL DATA

Standard		IEC 60947-2	
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, 2P, 3P, 4P	
Thermo-magnetic release characteristic		C(6.4-9.6In), D(9.6-14.4In)	
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
		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 $\leq 35^\circ\text{C}$)	°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	



C curve (6.4In~9.6In)



D curve (9.6In~14.4In)

3. OVERALL AND MOUNTING DIMENSIONS (MM)

