

LFL7,LFL7N Miniature Circuit Breaker

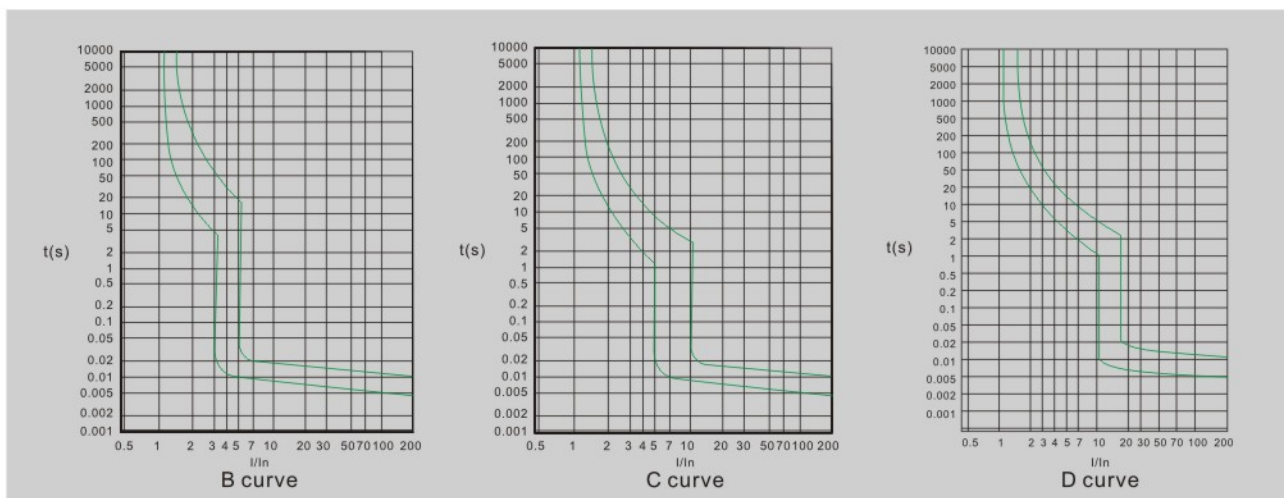


1. General

1. Application: For protecting cables and equipments against overload and short circuit.
2. General rules for choosing MCB.
 - a. Technical data of the network at the point considered:
The earthing systems , short-circuit current at the circuit breaker installation point, which must always be less than the breaking capacity of this device, network normal voltage.
 - b. There are 3 curve characteristics for magnetic operation:
 - B curve (3-5 I_n) protection and control of the circuits against length cables in TN and IT systems.
 - C curve (5-10 I_n) protection and control of the circuits against overloads and short-circuits; protection for resistive and inductive loads with low inrush current.
 - D curve (10-14 I_n) protection and control of the circuits against overloads and short-circuits; protection for circuits which supply loads with high inrush current at the circuit closing (LV/LV transformers, breakdown lamps).

2. Specifications

Curves



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Standard			IEC/EN 60898-1
Electrical features	Rated current In	A	1,2,4,6,10,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	230/400
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500,6000,10000
	Rated impulse withstand voltage(1.2/50) Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
	Thermo-magnetic release characteristic		B,C,D
Mechanical features	Electrical life	t	8000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average ≤35℃)	℃	-5~+40
	Storage temperature	℃	-25~+70
Installation	Terminal connection type		Cable / Pin-type busbar
	Terminal size top / bottom for cable	mm ²	25
		AWG	18-3
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2
		In-lbs.	18
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom

3. Overall and mounting dimensions(mm)