

LFB2-63 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:

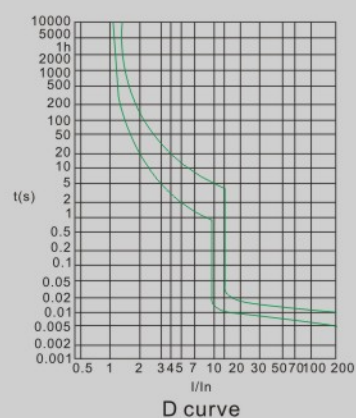
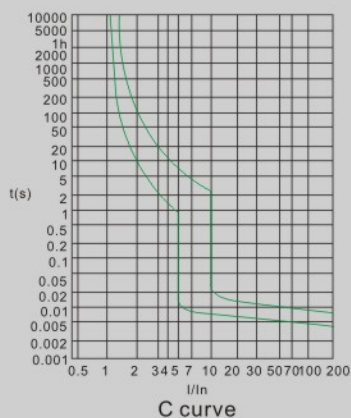
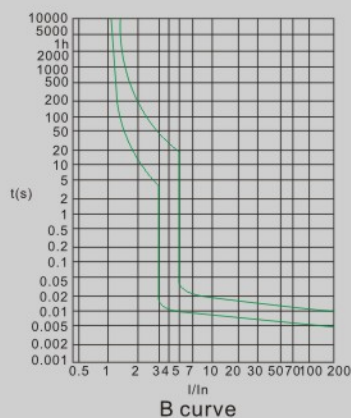
B curve(3-5 I_n)protection and control of the circuits against overloads and short-circuits; protection for people and big length cables in TN and IT systems.

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	1,2,3,4,6,10,13,16,20,25,32,40,50,63
	Poles	P	1,2,3,4
	Rated voltage Ue	V	240/415
	Insulation voltage Ui	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	4500/6000
	Energy limiting class		3
	Rated impulse withstand voltage(1.2/50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2
	Pollution degree		2
Mechanical features	Thermo-magnetic release characteristic		B,C,D
	Electrical life	t	8000
	Mechanical life	t	20000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40
Installation	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/U-type busbar 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	2.0
		In-lbs.	22
Combination with accessories	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top and bottom
	Auxiliary contact		Yes
	Shunt release		Yes
	Under voltage release		Yes
	Alarm contact		Yes

3. Overall and mounting dimensions(mm)

