

LFB1-100 Miniature Circuit Breaker



1. General

1.1 Application:

For protecting cables and equipments against overload and short circuit.

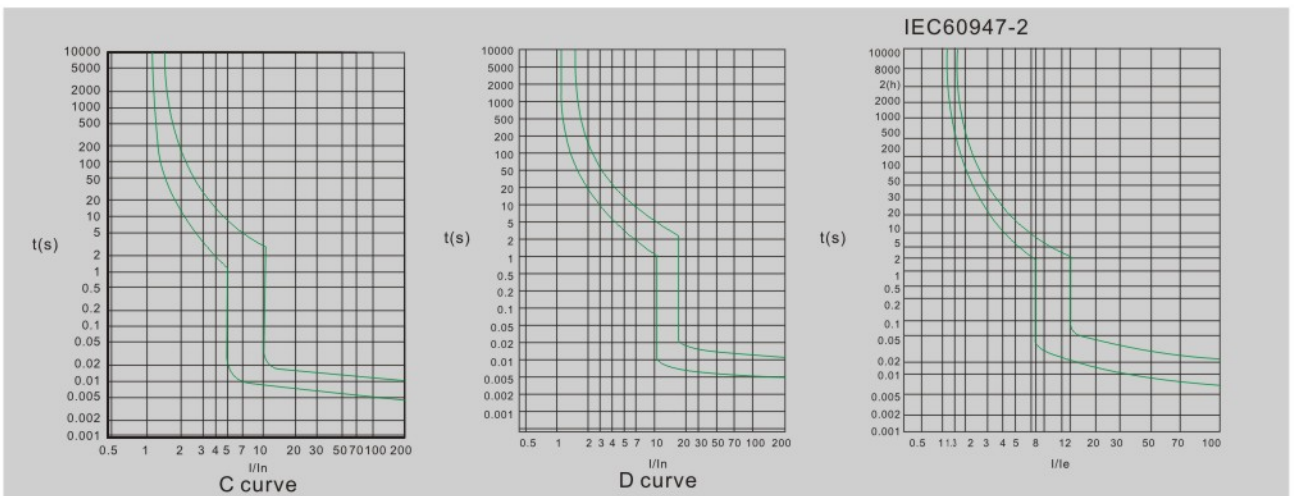
1.2 General rules for choosing MCB.

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.

2. Specifications

Curves



LFB1-100 Miniature Circuit Breaker

Standard			IEC/EN 60947-2, IEC60898-1
Electrical features	Rated current In	A	63,80,100
	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	6000,10000
	Rated impulse withstand voltage(1 2 / 50)Uimp	V	6000
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5
	Pollution degree		3
	Thermo-magnetic release characteristic		8-12In,C,D
Mechanical features	Electrical life	t	1500
	Mechanical life	t	8000
	Contact position indicator		Yes
	Protection degree		IP20
	Reference temperature for setting of thermal element	℃	30
	Ambient temperature (with daily average≤35℃)	℃	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	℃	-25~+70
	Terminal connection type		Cable/Pin-type busbar
	Terminal size top/bottom for cable	mm ²	35
		AWG	18-1/0
	Terminal size top/bottom for busbar	mm ²	35
		AWG	18-1/0
Combination with accessories	Tightening torque	N*m	3.5
		In-lbs.	31
	Mounting		On DIN rail EN 60715(35mm)by means of fast clip device
	Connection		From top
Combination with accessories	Auxiliary contact		Yes

3. Temperature derating

Rated current In(A)	Temperature compensation coefficient under various operational temperature								
	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	55℃	60℃
63	1.28	1.21	1.14	1.07	1.00	0.94	0.87	0.85	0.82
80	1.22	1.16	1.11	1.05	1.00	0.95	0.91	0.88	0.86
100	1.22	1.16	1.11	1.05	1.00	0.95	0.91	0.88	0.86

4. Overall and mounting dimensions(mm)