

DZ47-63 Miniature Circuit Breaker

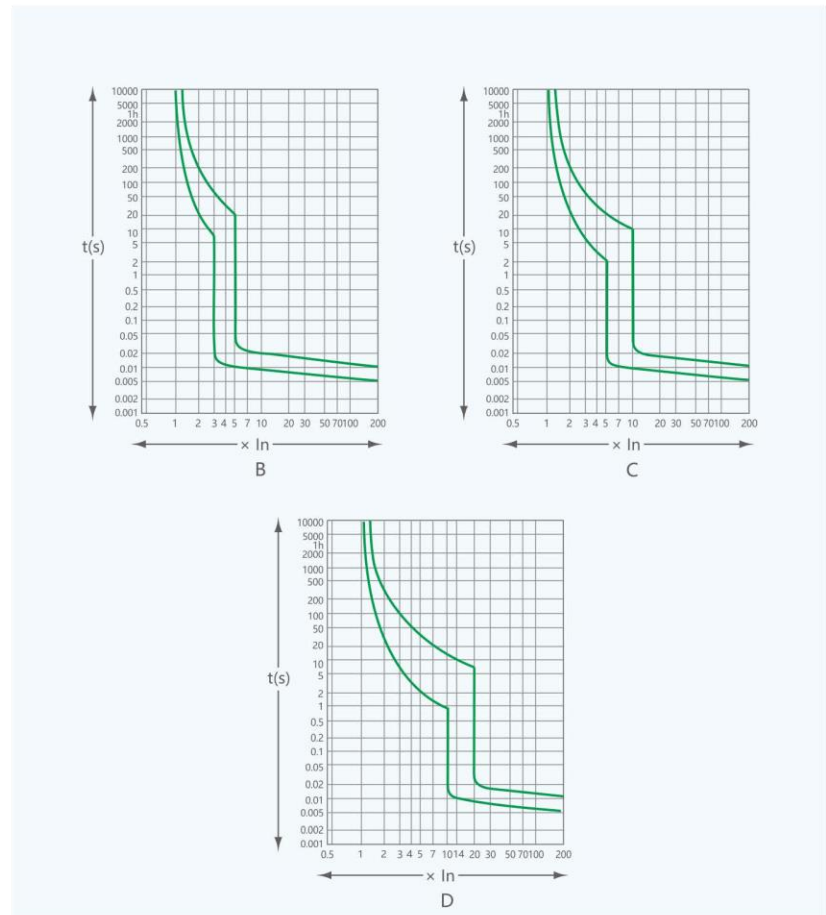
General

1. Overload protection
2. Short circuit protection
3. Controlling
4. Used in residential building, non-residential building, energy source industry and infrastructure.
5. According to the type of instantaneous release classified as follows : type B(3-5)I_n, type C(5-10)I_n, type D(10-20)I_n

Release

Type	Test current	Tripping time	Type	Test current	Tripping time
B,C,D	1.13I _n	t ≤ 1h (I _n ≤ 63A)	B	3I _n	t ≤ 0.1s
	1.13I _n	t ≤ 2h (I _n > 63A)	C	5I _n	t ≤ 0.1s
B,C,D	1.45I _n	t < 1h (I _n ≤ 63A)	D	10I _n	t ≤ 0.1s
	1.45I _n	t < 2h (I _n > 63A)	B	5I _n	t < 0.1s
B,C,D	2.55I _n	1s < t < 60s (I _n ≤ 32A)	C	10I _n	t < 0.1s
	2.55I _n	1s < t < 120s (I _n > 32A)	D	20I _n	t < 0.1s

Curve



Specifications

	Standard		IEC/EN 60898-1
Electrical features	Rated current I_n	A	1, 2, 6, 10, 16, 20, 25, 32, 40, 50, 63
	Poles	P	1, 2, 3, 4
	Rated voltage U_e	V	230/400
	Insulation voltage U_i	V	500
	Rated frequency	Hz	50/60
	Rated breaking capacity	A	3000, 4500
	Rated impulse withstand voltage(1.2/50) U_{imp}	V	4000
	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	4000
	Mechanical life	t	10000
	Protection degree		IP20
	Reference temperature for setting of thermal element	°C	30
	Ambient temperature (with daily average $\leq 35^\circ\text{C}$)	°C	-5~+40(Special application please refer to temperature compensation correction)
	Storage temperature	°C	-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	

Overall and mounting dimensions(mm)

