

## DZ47-63 Miniature Circuit Breaker

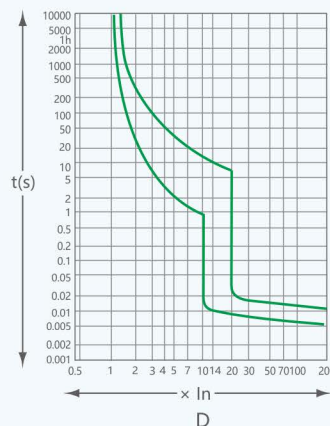
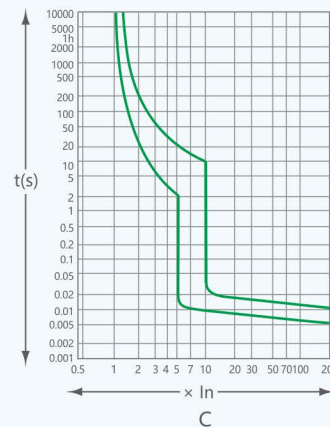
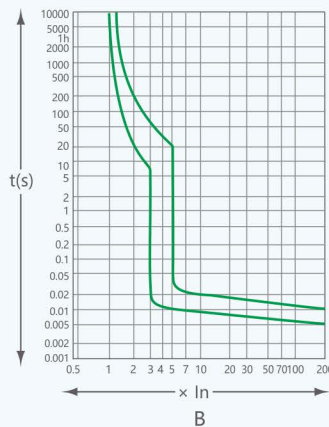
### General

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<sub>n</sub>, type C(5-10)I<sub>n</sub>, type D(10-20)I<sub>n</sub>

### Release

Type	Test current	Tripping time	Type	Test current	Tripping time
B,C,D	1.13I <sub>n</sub>	t ≤ 1h (I <sub>n</sub> ≤ 63A)	B	3I <sub>n</sub>	t ≤ 0.1s
	1.13I <sub>n</sub>	t ≤ 2h (I <sub>n</sub> > 63A)	C	5I <sub>n</sub>	t ≤ 0.1s
B,C,D	1.45I <sub>n</sub>	t < 1h (I <sub>n</sub> ≤ 63A)	D	10I <sub>n</sub>	t ≤ 0.1s
	1.45I <sub>n</sub>	t < 2h (I <sub>n</sub> > 63A)	B	5I <sub>n</sub>	t < 0.1s
B,C,D	2.55I <sub>n</sub>	1s < t < 60s (I <sub>n</sub> ≤ 32A)	C	10I <sub>n</sub>	t < 0.1s
	2.55I <sub>n</sub>	1s < t < 120s (I <sub>n</sub> > 32A)	D	20I <sub>n</sub>	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)
Installation	Storage temperature	°C	-25~+70
	Terminal connection type		Cable/Pin-type busbar
	Terminal size top / bottom for cable	mm <sup>2</sup>	25
		AWG	18~3
	Terminal size top / bottom for busbar	mm <sup>2</sup>	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)

