



DZ47LE-63 Residual Current Circuit Breaker with Over Current Protection

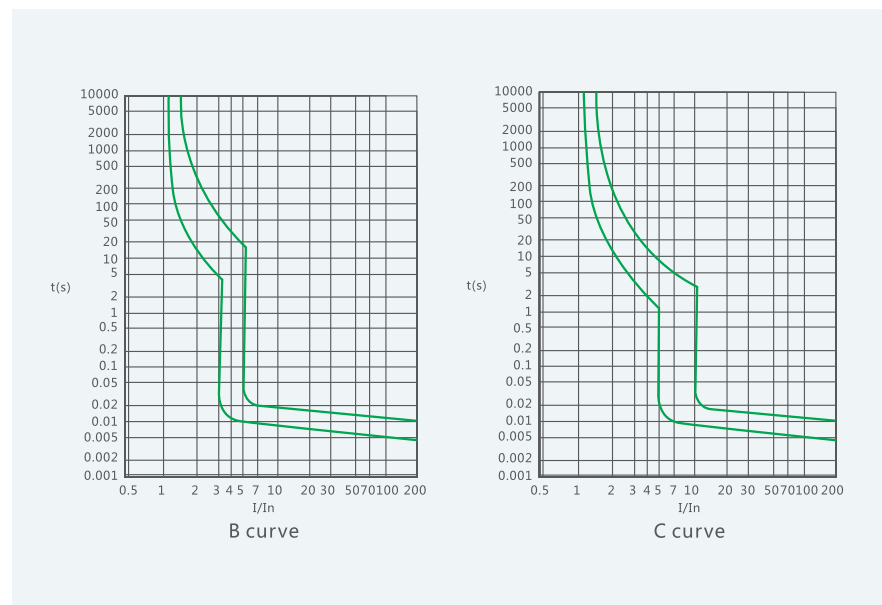
General

1. Protection against overload and short-circuit currents
2. Protection against the effects of sinusoidal alternating earth fault currents
3. Protection against indirect contacts and additional protection against direct contacts.
4. Protection against fire hazard caused by insulation faults
5. Used in residential building
6. According to the type of instantaneous release classified as follows : type B(3-5) I_n , type C(5-10) I_n

Release

Type	Test current	Tripping time	Type	Test current	Tripping time
B,C	1.13 I_n	$t \geq 1h(I_n \leq 63A)$	B	3 I_n	$t \geq 0.1s$
	1.13 I_n	$t \geq 2h(I_n > 63A)$	C	5 I_n	$t \geq 0.1s$
B,C	1.45 I_n	$t < 1h(I_n \leq 63A)$	B	5 I_n	$t < 0.1s$
	1.45 I_n	$t < 2h(I_n > 63A)$	C	10 I_n	$t < 0.1s$
B,C	2.55 I_n	$1s < t < 60s(I_n \leq 32A)$			
	2.55 I_n	$1s < t < 120s(I_n > 32A)$			

Curve



Specifications

Type	Standard		IEC/EN 61009-1
Electrical features	Poles	P	1P+N, 2, 3, 3P+N, 4
	Type(wave form of the earth leakage sensed)		AC
	Thermo-magnetic release characteristic		B, C
	Rated current I_n	A	6, 10, 16, 20, 25, 32, 40, 50, 63
	Rated voltage U_e	V	230/400
	Rated sensitivity $I\Delta n$	A	0.03, 0.05, 0.1, 0.3
	Rated residual making and breaking capacity $I_{\Delta m}$	A	500($I_n \leq 40A$) 630($I_n > 40A$)
	Rated short-circuit capacity I_{cn}	A	4500, 6000
	Break time under $I\Delta n$	s	≤ 0.1
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage(1.2/50)U _{imp}	V	4000
	Dielectric test voltage at ind.Freq.for 1min	kV	2
	Insulation voltage U_i	V	500
	Pollution degree		2
Mechanical features	Electrical life	t	2000
	Mechanical life	t	2000
	Contact position indicator		Yes
	Protection degree		IP20
	Ambient temperature(with daily average $\leq 35^\circ\text{C}$)	$^\circ\text{C}$	-5~+40
	Storage temperature	$^\circ\text{C}$	-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 EN60715(35mm)by means of fast clip device
	Connection		From top

Overall and mounting dimensions(mm)

