

DZ30LE-32 Residual Current Operated Circuit Breaker With Over-current Protection



DZ30LE-32



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1. Application

DZ30LE-32 is used in the single phase circuit of AC 50/60Hz, rated voltage 230V, used as electron shock protection. It can protect circuit form overload and short circuit. This product has advantages of small volume, high breaking capacity, live and zero wire are cut off at the same time, also protecting person from electric shock when the live wire connected opposite. It conforms with the standards of IEC61009.

2. Main Technical Parameter

Type	DZ30LE-32
Pole	1P+N
Rated current (A)	6,10,16,20,25,32
Rated voltage(V)	230
Rated residual action current $I_{\Delta n}$ (A)	0.03
Rated residual non-action current $I_{\Delta no}$ (A)	0.015
Rated residual making/breaking capacity $I_{\Delta m}$ (A)	500
Type of instantaneous release	C
Rated making/breaking capacity I_m (A)	4500

3. Applicable Conducting Wire:

Rated current(A)	Norminal cross section of wire mm ²
$I_n \leq 6$	1
$6 < I_n \leq 13$	1.5
$13 < I_n \leq 20$	2.5
$20 < I_n \leq 25$	4
$25 < I_n \leq 32$	6

4. Residual Current Breaking Time

I_n (A)	$I_{\Delta n}$ (A)	Breaking time(s) when equals to rating following				
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$	5, 10, 20, 50, 100, 200, 500*(A)	$I_{\Delta t}^b$
6-32	0.03	0.1	0.06	0.04	0.04	0.04

5. The Over-current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
30±2°C	Cold position	1.13I _n	t ≤ 1h	Non-release	—
	Carried out immediately after previous test	1.45I _n	t < 1h	Release	—
	Cold position	2.55I _n	1s < t < 60s	Release	Current smoothly rises to specified value within 5s
-5~+40°C	Cold position	5I _n	t ≥ 0.1s	Non-release	Type C
	Cold position	10I _n	t < 0.1s	Release	Type C

6. Dimension

