

# DZ47-63 SERIES MINIATURE CIRCUIT BREAKER

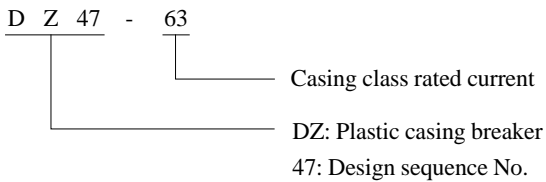
## Application

The breaker is suitable to serve in the power distribution system for lighting (Corresponding to model B, C) and motor (Corresponding to model D). It mainly functions as overload and short-circuit protection in the line of single-pole of 240V and two-, three-, four-pole of 415V with rated frequency of 50HZ or 60HZ, also for unrequent making and breaking electrical apparatus and lighting circuit under normal conditional.



## Model meaning and classification

### Model meaning

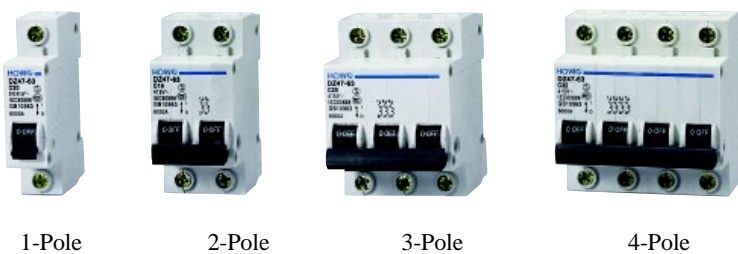


### Classification

- According to rated current of breaker:  
 1A, 2A, 3A, 4A, 5A, 6A, 10A, 15A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
- According to type of instantaneous release:







- According to number of poles:



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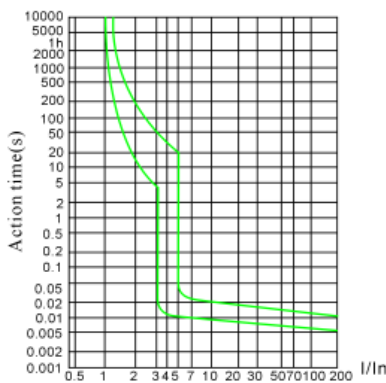
## Main technical parameter

Model	DZ47-63/1P	DZ47-63/2P	DZ47-63/3P	DZ47-63/4P	
Picture					
Rated current (A)	1,2,3,4,6,10,16,20, 25,32,40,50,63	1,2,3,4,6,10,16,20, 25,32,40,50,63	1,2,3,4,6,10,16,20, 25,32,40,50,63	1,2,3,4,6,10,16,20, 25,32,40,50,63	
Rated voltage (V)	240, 240/415V	415	415	415	
Number of poles	1P	2P	3P	4P	
Type of instantaneous release	B, C	D	B, C	D	
Rated short circuit breaking capacity (A): 1P: 240/415V 2P,3P,4P: 415V	1-40A: 6000 50-63A: 4500	4000	1-40A: 6000 50-63A: 4500	4000	
Lifetime (times)	Electric lifetime	$\geq 4000$	$\geq 4000$	$\geq 4000$	$\geq 4000$
	Mechanical lifetime	$\geq 20000$	$\geq 20000$	$\geq 20000$	$\geq 20000$

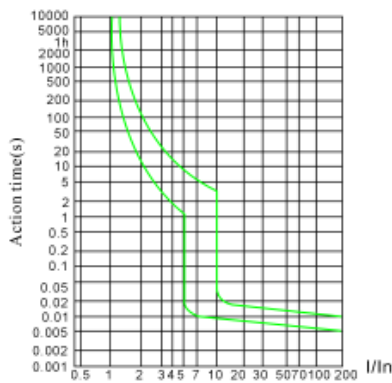
## The over-current protection property

Item No.	Rated current of release	Initial status	Test current	Expected result	Expected result	Remark
1	1-63	Cold position	1.13In	$t \geq 1h$	Non-release	-
2	1-63	Carried out immediately after previous test	1.45 In	$t < 1h$	Release	Current smoothly rises to specified value within 5s
3	$In \leq 32$	Cold position	2.55 In	$1s < t < 60s$	Release	-
	$In > 32$	Cold position	2.55 In	$1s < t < 120s$	Release	-
4	1-63	Cold position	3 In	$t \geq 0.1s$	Non-release	Type B
	1-63	Cold position	5 In	$t < 0.1s$	Release	Type B
	1-63	Cold position	5 In	$t \geq 0.1s$	Non-release	Type C
	1-63	Cold position	10 In	$t < 0.1s$	Release	Type C
	1-63	Cold position	10 In	$t \geq 0.1s$	Non-release	Type D
	1-63	Cold position	14 In	$t < 0.1s$	Release	Type D

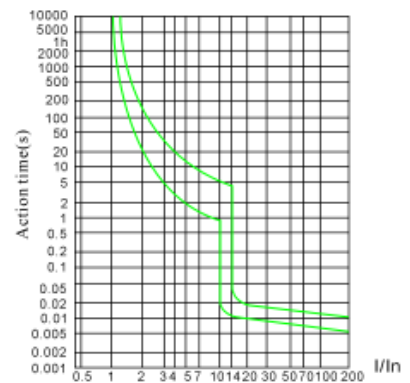
## Performance curve of release



Type B



Type C



Type D