

DZ47-63 SERIES MINIATURE CIRCUIT BREAKER

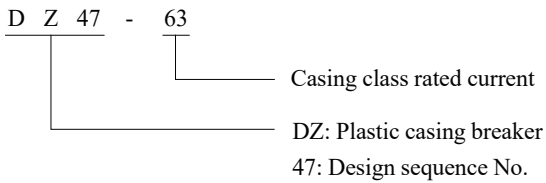
Application

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 unfrequent 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:



1-Pole 2-Pole 3-Pole 4-Pole

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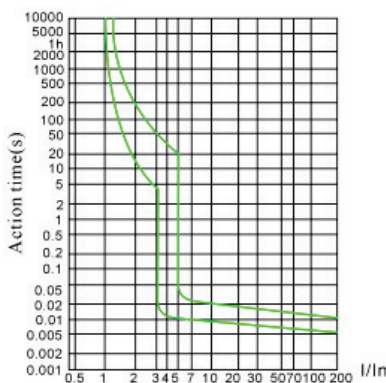
Main technical parameter

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	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	1-40A: 6000 50-63A: 4500	4000	1-40A: 6000 50-63A: 4500	4000
Lifetime (times)	Electric lifetime ≥ 4000		Electric lifetime ≥ 4000		Electric lifetime ≥ 4000		Electric lifetime ≥ 4000	
	Mechanical lifetime ≥ 20000		Mechanical lifetime ≥ 20000		Mechanical lifetime ≥ 20000		Mechanical lifetime ≥ 20000	

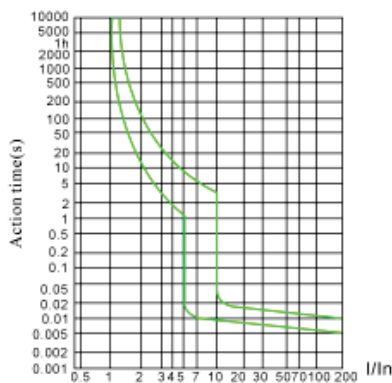
The over-current protection property

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

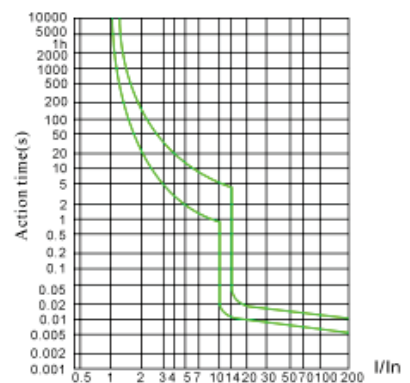
Performance curve of release



Type B



Type C



Type D