

DZ47-100 Series Miniature Circuit Breaker

1. Application

DZ47-100 is such features as delicate appearance, light weight, excellent and reliable performance, high breaking capacity, rapid tripping and mounted by rail. Its enclosure and components adopts high fire-retarding and shock-resistance plastic of long durability. It mainly serves for protecting the circuits of AC 50/60Hz, 230V of single pole, 400V of two poles or three or four poles from overload or short-circuit, and also for unfrequent making and breaking electrical apparatus and lighting circuit. It conforms with the standards of IEC60947-2.

2. Main Technical Parameter

Type	DZ47-100	
Pole	1P	2P, 3P, 4P
Rated current (A)	63,80,100	
Rated voltage (V)	230	400
Ambient temperature	-5°C~+40°C	
Type of instantaneous release	C, D	
Rated short circuit breaking capacity Icn(kA)	6	

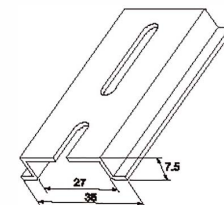
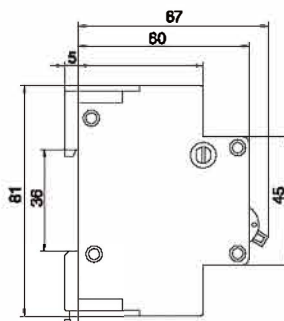
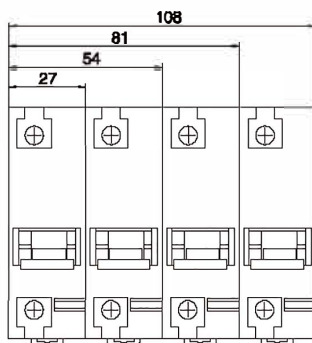
3. The Over-current Protection Property

Ambient temperature	Initial status	Test current	Test time	Expected result	Note
40±2°C	Cold position	1.05In (In ≤ 63A)	t ≤ 1h	Non-release	—
	Cold position	1.05In (In > 63A)	t ≤ 2h	Non-release	—
	Carried out immediately after previous test	1.30In (In ≤ 63A)	t < 1h	Release	Current smoothly rises to specified value within 5s
		1.30In (In > 63A)	t < 2h	Release	
-5~+40°C	Cold position	8.00In	t ≤ 0.2s	Non-release	—
	Cold position	12.00In	t < 0.2s	Non-release	—

4. Applicable Conducting Wire

Rated current(A)	Nominal cross section of wire mm ²
63A	16
80A	25
100A	35

5. Dimension



DZ47-100 1P



DZ47-100 2P



DZ47-100 3P



DZ47-100 4P