

## 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 50Hz, 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)	5	

## 3. Applicable conducting wire

Ambient Temperature	Initial Status	Test Current	Expected Result	Expected Result	NOTE
40±2°C	Cold position	1.05In(In≤63A)	t≤1h	Non-release	Current smoothly rises to specified value within 5s
	Cold position	1.05In(In≤63A)	t≤2h	Non-release	
	Carried out immediately after previous test	1.30In(In≤63A)	t<1h	Release	
		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. Residual current breaking time

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

## 5. The over-current protection property

