

DZ47LE-100



DZ47LE-100 1P+N

DZ47LE-100 Residual Current Operated

Circuit Breaker with Over-current Protection

1. Application

DZ47LE-100 is applicable to a line of AC 50/60Hz, rated voltage 230V for single pole twowire, 2-pole or 400V for 3-pole, 3-pole 4-wire, 4-pole and rated current up to 40A. It can protect the line and motor from overload and short circuit. It can also be used for infrequent line conversion and infrequent motor start. It conforms with the standards of IEC60947-2.

2. Main Technical Parameter

Туре	DZ47LE-100		
Pole	1P+N, 2P	3P, 3P+N, 4P	
Rated current (A)	63,80,100		
Rated voltage(V)	230	400	
Rated short circuit breaking capacity lcn(kA)	6		
Rated residual making/breaking capacity I∆m(A)	2000		
Rated residual action current IAn(A)	0.03,0.1,0.3		
Rated residual non-action current Iono(A)	0.5I∆n		
Over voltage protection grade	280V±5%		

3. Applicable Conducting Wire

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

4. Residual Current Breaking Time

In	l∆n	Breaking time(s) when equals to rating following				
(A)	(A)	l∆n	2l∆n	5l∆n	5,10,20,50,100,200,500ª(A)	l∆t⁵
6-63	0.03, 0.05, 0.1, 0.3	0.1	0.06	0.04	0.04	0.04

5. The Over-current Protection Property

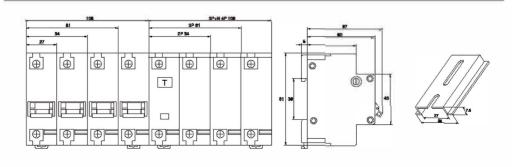
Ambient temperature	Initial status	Test current	Test time	Expected result	Note
40±2°C	Cold position	1.05ln(ln ≤ 63A)	t ≤ 1h	Non-release	_
	Cold position	1.05In (In>63A)	t ≤ 2h	Non-release	
	Carried out immedi-	1.30 I n(In ≤ 63A)	t<1h	Release	Current smoothly rises to specified
	ately after previous test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

6. Dimension



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DZ47LE-100 2P

