

## Functions and features

### DZ47sLE Miniature Earth Leakage Circuit Breaker

Applied standards:  
GB/T16917.1 IEC61009-1

Conformity certification:



#### DZ47sLE Miniature Earth Leakage Circuit Breaker has the following functions

- Short-circuit protection
- Overload protection
- Isolation function
- Earth leakage protection function
- Overvoltage protection function (only for overvoltage products)

#### Main features

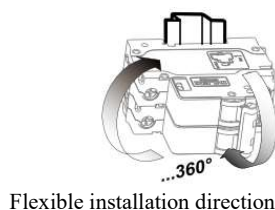
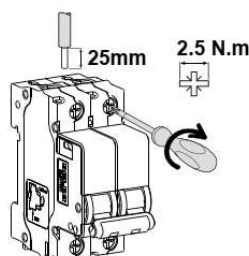
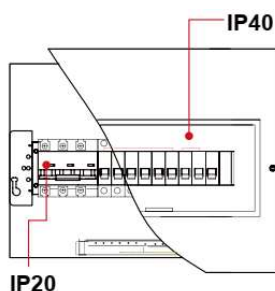
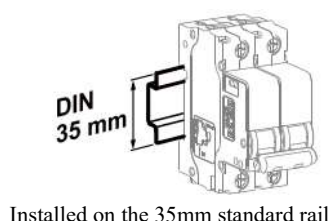
Rated working voltage (V)	1P+N, 2P: 230 AC 3P, 3P+N: 400AC
Rated current (A)	6-63
Rated frequency (Hz)	50
Number of poles	1P+N, 2P, 3P, 3P+N, 4P
Breaking capacity (kA)	6
Rated residual operating current (mA)	30, 50, 75, 100, 300
Overvoltage protection function (V)	(280±14) V AC (Only for 1P+N, 2P, C type products)

#### Product details



# Functions and features

## DZ47sLE Miniature Earth Leakage Circuit Breaker



### Electrical characteristics

Rated insulation voltage $U_i$	(V)	500
Max. working voltage $U_{Bmax}$	1P+N, 2P (V)	230 AC
	3P, 3P+N, 4P (V)	400 AC
Rated short-circuit capacity $I_{cn}$ (IEC/EN60898) (kA)		6
Rated impulse withstand voltage $U_{imp}$ (1.2/50) (kV)		4
Dielectric test voltage		2kV (50/60Hz, 1 minute)
Isolation function		Yes (except for 1P+N, 3P+N)
Pollution level		2
Trip form		Thermal magnetic trip
Thermal magnetic trip characteristics	B-type curve (3I <sub>n</sub> ~5I <sub>n</sub> )	-
	C-shaped curve (5I <sub>n</sub> ~10I <sub>n</sub> )	■
	D-shaped curve (10I <sub>n</sub> ~14I <sub>n</sub> )	■
Electrical and mechanical accessories		■

### Mechanical properties

Trip indicator			There is a residual current action trip indicator for DZ47sLE; when the reset button pops up, earth leakage trip will be activated
Manual control	Overcurrent fault		Reset the circuit breaker and residual current action device simultaneously
	Earth leakage fault		First reset the residual current action device, and then reset the circuit breaker
Handle			Red, transfer printing indicates ON-OFF position
Mechanical life	Times		20000
Electrical life	Times		10000
Protection grade	Installed in a distribution box	power	IP40
	Installed directly		IP20
Mechanical shock resistance			30g, 3 shocks, duration 11ms (Installed in a place where there is no obvious vibration or shock)
Vibration resistance (IEC/EN 60068-2-6)			Installed in a place where there is no obvious vibration or shock
Damp heat resistance (IEC 60068-2)	Damp heat	°C/RH	Class 2, 28 cycles The relative humidity is 90%-96% at the temperature 55°C The relative humidity is 95%-100% at the temperature 25°C
Reference ambient temperature			°C -30°C
Ambient temperature (daily mean temperature ≤ +35°C)			°C -35°C~+70°C
Storage temperature			°C -40°C~+85°C

### Installation features

Wiring terminal form		U-shaped wiring terminal
Max. wiring capacity		Current class 6-32A: 16mm <sup>2</sup> Current class 40-63A: 25mm <sup>2</sup>
Max. limit torque		Current class 6-32A: 2N.m Current class 40-63A: 2.5N.m
Tools		Cross screwdriver or slotted screwdriver
Installation		Installed in the standard DIN rail (35mm)
Incoming method		Top-in