

Functions and features

DZ47L Earth leakage Protection Switch

Applied standards:
IEC61008-1 GB/T16916.1

Conformity certification:



DZ47L Earth leakage protection switch has the following functions

- Earth leakage protection function
- Isolation function

Main features

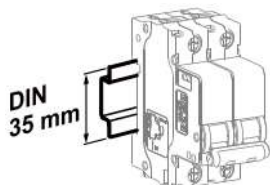
Rated working voltage (V)	230/400 AC
Rated current (A)	10, 16, 20, 25, 32, 40, 63, 80, 100
Rated frequency (Hz)	50
Number of poles	2P, 4P
Rated residual making and breaking capacity Im (A)	In<63A, 500A; In≥63A, 10In
Rated limit short-circuit current I Δ c (A)	6000
Rated residual action current I Δ c (mA)	30, 100,300

Product details

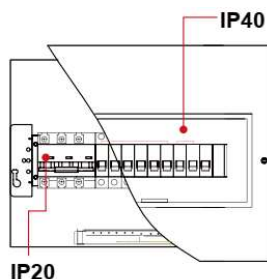


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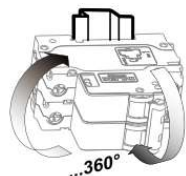
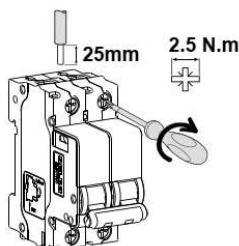
DZ47L Earth leakage Protection Switch



Installed on the 35mm standard rail



IP20



Flexible installation direction

Electrical characteristics

Rated insulation voltage U_i	(V)	500
Rated impulse withstand voltage U_{imp}	(kV)	4
Trip form		Electromagnetic typ
Product type		AC, A
Dielectric test voltage (kV)	(kV)	2 (50/60Hz, 1 minute)
Isolation function		Yes
Pollution level		2
Electric shock protection grade		II
Altitude	(m)	≤ 2000

Mechanical properties

Trip indicator		If indicator window turns red, this indicates ON state; if green, this indicates OFF state. When at the OFF state, the residual current action cannot be determined.
Handle		Red, transfer printing indicates ON-OFF position
Mechanical Times	life	3000
Electrical Times	life	2000
Protection grade	Installed in a power distribution box	IP40
	Installed directly	IP20
Mechanical shock resistance		30g, 3 shocks, duration 11ms (Installed in a place where there is no obvious vibration or shock)
Ambient temperature	$^{\circ}\text{C}$	$-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Storage temperature	$^{\circ}\text{C}$	$-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Relative humidity	$^{\circ}\text{C}$	$\leq 95\%$

Installation features

Max. wiring capacity		DZ47L-63A: $\leq 16\text{mm}^2$; DZ47L-100A: $\leq 35\text{mm}^2$
Max. limit torque	(N.m)	2
Tools		Cross screwdriver or slotted screwdriver
Installation		Available TH35-7.5 steel mounting rail
Incoming method		Top in