

Functions and features

DZ47PLEY-63 “Phase Line + Neutral Line” Earth Leakage Circuit Breaker



DZ47PLEY-63/63R “Phase Line + Neutral Line” Earth Leakage Circuit Breaker

- Short-circuit protection
- Overload protection
- Isolation function
- Earth leakage protection function

Main features

Rated working voltage (V)	230 AC
Rated current (A)	6-63
Rated frequency (Hz)	50
Number of poles	1P+N (1 protection pole, N pole can be opened and closed)
Breaking capacity (kA)	4.5
Rated residual operating current (mA)	30

Product details



Small size and large current, saving user's installation space

Product size 36mm, with max. rated current increased to 63A!

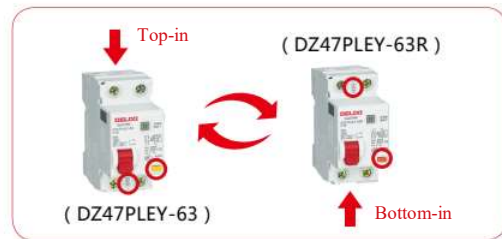


Standard wiring terminal for more convenient installation and replacement

The wiring terminal capacity can be improved to 25mm², and standard busbar connection wire can be used

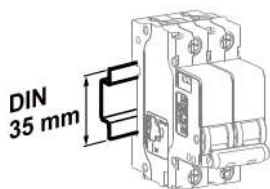
Two specifications are optional for more flexible wiring connection

Top-in or bottom-in wiring connections are provided for your selection!

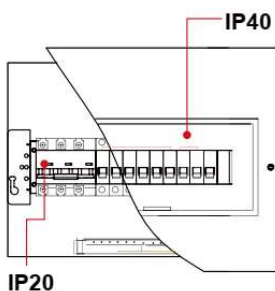


Functions and features

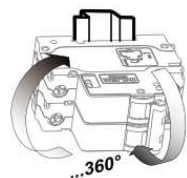
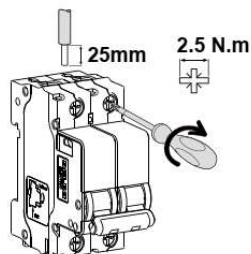
DZ47PLEY-63 “Phase Line + Neutral Line” Earth Leakage Circuit Breaker



Installed on the 35mm standard rail



IP20



Flexible installation direction

Electrical characteristics

Rated insulation voltage U_i	(V)	500
Max. working voltage U_{Bmax}	IP+N (V)	230 AC
Rated short-circuit capacity I_{cn} (IEC/EN61009-1)	(kA)	4.5
Rated impulse withstand voltage U_{imp} (1.2/50)	(kV)	4
Dielectric test voltage		2kV (50/60Hz, 1 minute)
Isolation function		Yes
Pollution level		2
Trip form		Thermal magnetic trip
Thermal magnetic trip characteristics		C-shaped, D-shaped
Electrical and mechanical accessories		■

Mechanical properties

Trip indicator		There is a residual current action trip indicator; when the reset button pops up, earth leakage trip will be activated
ON-OFF position		Pad printing indication
Mechanical life	Times	20000
Electrical life	Times	10000
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)
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 $\leq +35^\circ\text{C}$)	°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 6-63A: 25mm ²
Max. limit torque	Current class 6-63A: 2N.m
Tools	Cross screwdriver or slotted screwdriver
Installation	Installed in the standard DIN rail (35mm)
Incoming method	Top-in/Bottom-in