Product Overview

Main Functions

Short circuit protection, overload protection, leakage protection, isolation function, over-voltage protection (only for over-voltage type products)

Standards

GB/T16917.1 IEC61009-1

Certification

CCC



Main Characteristics

Rated operating voltage (V)	1P+N:230 AC
Rated current (A)	6-40
Rated frequency (Hz)	50
Number of poles	1P+N
Breaking capacity (kA)	4.5
Rated residual operating current (mA)	30
Over-voltage protection function (V)	(280±14) VAC

Product Selection

Product name	Trip type	Rated current	Residual current	Other functions
DZ47PLE	C	6		G
	*C: Type C D: Type D	*6:6A *10:10A *16:16A *20:20A *25:25A *32:32A *40:40A	*Default: 30mA	Default: No over-voltage protection G: Over-voltage protection

Note: This product can be assembled with accessories OF, SD, MSN, MV, MN, MVMN, FF, FS, MO (active), MOWY (passive)

Technical Parameters

Electrical Characteristics

Rated insulation voltage Ui		(V)	500
Maximum operating voltage U_{Bmax}	1P+N	(V)	230 AC
Rated short circuit capacity Icn(IEC/EN61009-1)		(kA)	4.5
Rated impulse withstand voltage Uimp (1.2/50)		(kV)	4
Dielectric test voltage		(kV)	2kV(50/60Hz, 1 minute)
Isolation function			Yes

Pollution level		2
Tripping form		Thermomagnetic trip
Thermomagnetic tripping characteristics	C type curve (5In~10In)	■
	D type curve (10In~14In)	■
Electrical and mechanical accessories		■

DZ47PLE "Phase Line + Neutral Line" Leakage Protection Circuit Breaker

■ Mechanical Characteristics

Trip indication		There is a residual current tripping indication on DZ47PLE, and the reset button pops up, which is a leakage tripping.
Manual control	Overcurrent fault	Simultaneous reset of circuit breaker and residual current operated device
	Leakage fault	The residual current device resets first, followed by the circuit breaker
Handle		Red, pad print indicates ON-OFF position
Mechanical life	Times	20000
Electrical life	Times	10000
Degree of protection	Installed in the distribution box	IP40
	Direct installation	IP20

Resistance to mechanical shock		30g, 3 shocks, duration 11ms (Where there is no significant vibration and shock)
Vibration resistance (IEC/EN 60068-2-6)		Where there is no significant vibration or shock
Resistance to heat and humidity (IEC 60068-2)	Damp heat °C/RH	Class 2, 28 cycles, Temperature 55°C, relative humidity 90% ~ 96% Temperature 25°C, relative humidity 95% ~ 100%
Rated ambient temperature	°C	30°C
Operating ambient temperature (daily average temperature ≤ + 35°C)	°C	-35°C~+70°C
Storage temperature	°C	-40°C~+85°C

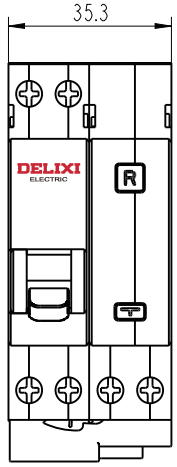
■ Installation Characteristics

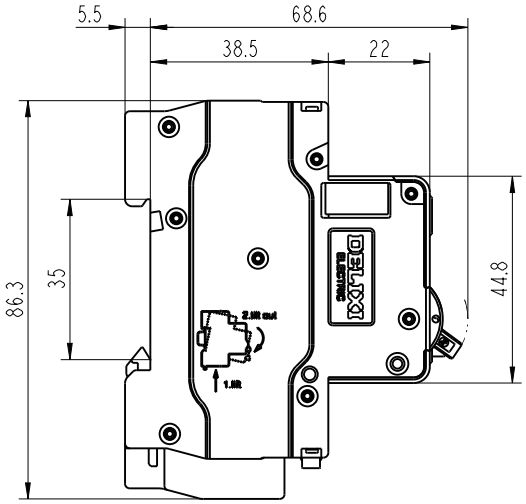
Terminal form	U terminal block
Maximum wiring capacity	Current class 6-40A:16mm^2
Maximum limit torque	Current class 6-40A:2 N.m

Tool	Cross head screwdriver or flat head screwdriver
Installation	Installed in the standard DIN rail (35mm)
Line incoming type	Top

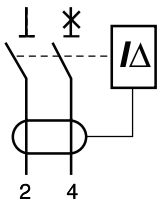
Outline and Installation Dimensions

■ Dimensional Drawing





■ Wiring Diagram



1P+N