

0.03A、0.1A、0.3A
Rated residual action current

RCCB
IEC/EN 61008-1 GB/T 16916.1

CE CB

GYL10



The GYL10 residual current operated circuit breaker is designed for AC circuits with a frequency of 50/60Hz, rated voltage up to 415V, and rated current up to 63A. In the event of electric shock or when grid leakage current exceeds the specified threshold, the breaker can rapidly disconnect the faulty circuit within an extremely short time to ensure personal safety and protect electrical equipment. It can also be used for infrequent switching operations under normal conditions. This circuit breaker is suitable for various applications, including industrial, commercial, high-rise buildings, and residential installations.

- ✔ RoHS 2.0 compliant
- ✔ Double busbar wiring function
- ✔ With Transparent Identification Function
- ✔ Wiring Capacity 1-35mm²



Product Model And Implication

GYL10	□
Product model	Protection type
RCCB	M (electromagnetic type) E (electronic)

Residual leakage current breaking time

Tripping Type	Rated current In(A)	Rated residual action current I Δ n(mA)	Residual current breaking time (s)				
			I Δ n	2I Δ n	5I Δ n	5A~200A	500A
General Type	16~63	0.03、0.1、0.3	≤0.1	≤0.08	≤0.04	≤0.04	≤0.04
Type S			0.13~0.5	0.06~0.2	0.05~0.15	0.04~0.15	0.04~0.15
Type si			0.09~0.13	0.05~0.15	0.04~0.15	0.04~0.15	0.04~0.15

Technical Specification

- ✔ Rated Voltage (Un) 230/240V、240/415V
- ✔ Rated Current (In) 16A、20A、25A、32A、40A、50A、63A
- ✔ Rated insulation voltage (Ui) 500V
- ✔ Rated impact tolerance voltage (Uimp) 4kV
- ✔ Rated residual action current (I Δ n) 0.03A、0.1A、0.3A
- ✔ Poles 1P+N、3P+N
- ✔ Residual current action type AC、A、AC-S、A-S、A-Si、AC-Si
- ✔ Working Frequency 50/60Hz
- ✔ Rated limit short circuit current (Inc) 6000A、10000A
- ✔ Rated limit Remaining short circuit current (I Δ c) 6000A、10000A
- ✔ Rated on and off capacity (Im) 500A(In≤50A),or 10In(In=63A)
- ✔ Rated residual switching and breaking capacity (I Δ m) 500A(Ins50A),or 10In(In=63A)
- ✔ Tightening moment: 2.5N·m
- ✔ Class of protection: IP20
- ✔ Installation : TH35-7.5 standard guide rail
- ✔ Mechanical life: 10000 times
- ✔ Electrical life: 4000 times

Outline Overall And Installing Dimensions

