

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

**RCCB**  
IEC/EN 61008-1, IEC/EN 62423, GB/T 22794, GB/T 16916.1

CE CB

## GYL9-F/B



GYL9-F/B residual current operated circuit breaker is suitable for AC 50/60Hz, rated voltage two poles 240V, four poles 415V, rated current up to 100A lines. Used for detecting AC leakage, pulsating DC leakage, smooth DC leakage, composite wave leakage, and high-frequency leakage up to 1kHz. When personal electric shock or circuit leakage current exceeds the specified value, the circuit breaker automatically cuts off the faulty power supply in a very short time, protecting the safety of personnel and electrical equipment. The circuit breaker can also be used for infrequent on/off operations of the line under normal circumstances.

The circuit breaker is suitable for various applications, including industrial, commercial, high-rise buildings, and residential use.

- Equipped with AC leakage, pulsating DC leakage, smooth DC leakage, composite wave leakage, and high-frequency leakage protection devices up to 1kHz - with complete protection functions
- Compliant with environmental RoHS 2.0
- Supports two wiring methods: top in, bottom out, and bottom in, with no mandatory terminal restrictions
- The product has a leakage fault indicator
- Wiring capacity: (1-35) mm<sup>2</sup>

F-type:   
Type B:

### Product Model And Implication

GYL9	B
Product model	Residual current action type
RCCB	F type B type

### Residual leakage current breaking time

Rated current I <sub>n</sub> (A)	Rated residual action current I <sub>Δn</sub> (mA)	Residual current breaking time (s)				
		I <sub>Δn</sub>	2I <sub>Δn</sub>	5I <sub>Δn</sub>	5A~200A	500A
16~100	30、100、300	≤0.1	≤0.08	≤0.04	≤0.04	≤0.04

### Technical Specification

- Rated Voltage (U<sub>n</sub>) 230/240V、240/415V
- Rated Current (I<sub>n</sub>) 16A、20A、25A、32A、40A、50A、63A、80A、100A
- Rated insulation voltage (U<sub>i</sub>) 500V
- Rated impact tolerance voltage (U<sub>imp</sub>) 4kV
- Rated residual action current (I<sub>Δn</sub>) 0.03A、0.1A、0.3A
- Poles 1P+N、3P+N
- Residual current action type Type B Type F
- Working Frequency 50/60Hz
- Rated limit short circuit current (I<sub>nc</sub>) 6000A、10000A
- Rated limit Remaining short circuit current (I<sub>Δc</sub>) 6000A、10000A
- Rated on and off capacity (I<sub>m</sub>) 500A(I<sub>ns</sub>≤50A),or 10In(I<sub>n</sub>=63A)
- Rated residual switching and breaking capacity (I<sub>Δm</sub>) 500A(I<sub>ns</sub>50A),or 10In(I<sub>n</sub>=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

