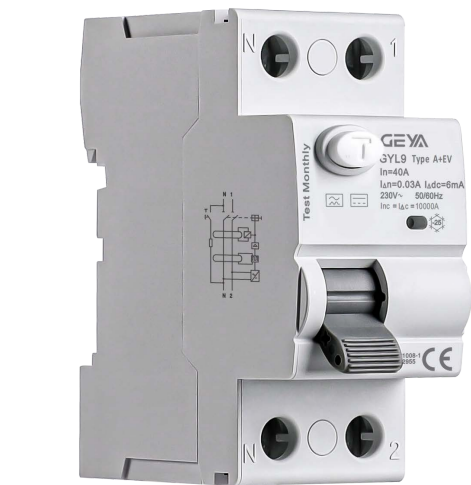


0.03A、0.1A、0.3A
Rated residual action current

RCCB
IEC/EN 61008-1, IEC/EN 62955, GB/T 40820, GB/T 16916.1.



GYL9-EV



GYL9-EV residual current operated circuit breaker is suitable for AC 50/60Hz, rated voltage two poles 240V, four poles 415V, and rated current up to 100A lines. Used to detect AC leakage, pulsating DC leakage, composite wave leakage, and high-frequency leakage up to 1kHz, while disconnecting or triggering the disconnection of electric vehicle charging when a smooth DC residual current greater than or equal to 6mA is detected. When a person is electrocuted or the leakage current of the power grid exceeds the specified value, the circuit breaker can quickly cut off the faulty power supply in a very short time, protecting the safety of people and electrical equipment. It can also be used for infrequent on/off operations of the line under normal conditions.

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

- ✔ 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
- ✔ A protective device designed specifically for electric vehicles and charging facilities that can detect smooth DC residual current greater than or equal to 6mA
- ✔ Compliant with environmental RoHS 2.0
- ✔ Double busbar wiring function
- ✔ The product has a leakage fault indicator

Product Model And Implication

GYL9	EV
Product model	Protection type
RCCB	M (electromagnetic type) E (electronic)

Residual leakage current breaking time

Rated current I _n (A)	Rated residual action current I _{Δn} (mA)	Residual current breaking time (s)				
		I _{Δn}	2I _{Δn}	5I _{Δn}	5A~200A	500A
16~100	30、100、300	≤0.1	≤0.08	≤0.04	≤0.04	≤0.04

Technical Specification

✔ Rated Voltage (U _n)	230/240V、240/415V
✔ Rated Current (I _n)	16A、20A、25A、40A、50A、63A、80A、100A
✔ Rated insulation voltage (U _i)	500V
✔ Rated impact tolerance voltage (U _{imp})	4kV
✔ Rated residual action current (I _{Δn})	0.03A、0.1A、0.3A
✔ Poles	1P+N、3P+N
✔ Residual current action type	Type EV
✔ Working Frequency	50/60Hz
✔ Rated limit short circuit current (I _{nc})	6000A、10000A
✔ Rated limit Remaining short circuit current (I _{Δc})	6000A、10000A
✔ Rated on and off capacity (I _m)	500A(I _n ≤50A),or 10In(I _n =63A)
✔ Rated residual switching and breaking capacity (I _{Δm})	500A(I _n ≤50A),or 10In(I _n =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

