


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

**RCBO**
**CE CB**

IEC/EN61008-1, IEC/EN 62423, GB/T 22794, GB/T 16916.1

## GYR9N



L'interruttore differenziale della serie GYR9N è adatto a circuiti in corrente alternata (AC) 50/60 Hz, con tensione nominale di 230/240 V per due poli e corrente nominale fino a 63 A. In caso di scossa elettrica alle persone o quando la corrente di dispersione verso terra della rete supera il valore specificato, l'interruttore è in grado di interrompere rapidamente l'alimentazione difettosa in un tempo estremamente ridotto, garantendo la protezione delle persone e delle apparecchiature elettriche.

Può inoltre essere utilizzato per la protezione contro sovraccarichi e cortocircuiti dei circuiti, nonché per operazioni di inserzione e disinserzione non frequenti in condizioni di funzionamento normale. Questo interruttore è applicabile a diversi contesti, tra cui impianti industriali, ambienti commerciali, edifici di grande altezza e abitazioni residenziali.

- ✔ Il prodotto è dotato di funzione di intervento della leva per corrente residua.
- ✔ Capacità di cablaggio: (1–25) mm<sup>2</sup>.
- ✔ Conforme alla normativa RoHS 2.0.
- ✔ Tipo B: dotato di dispositivi di protezione contro correnti di dispersione AC, correnti di dispersione DC pulsanti, correnti di dispersione DC continue, correnti di dispersione a onda composta e correnti di dispersione ad alta frequenza fino a 1 kHz, garantendo funzioni di protezione complete.

### ► Modello del prodotto e campo di applicazione

GYR9	N	□	□
Product model		Product Type	Residual current action type
RCBO	With N pole	M (Electromagnetic type) E (Electronic type)	Type A Type B

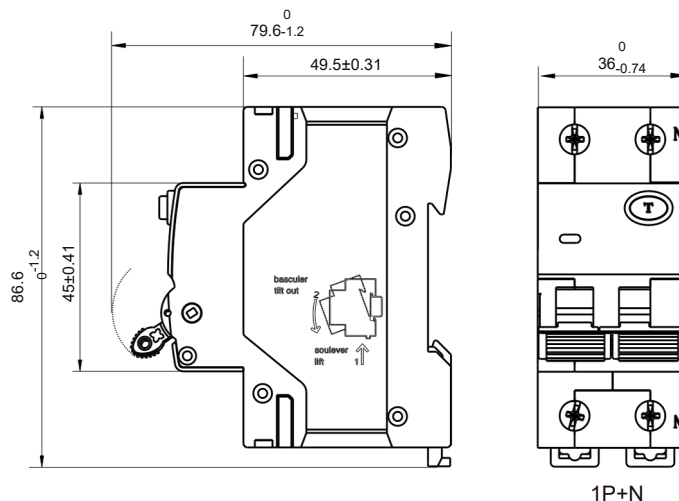
### ► Tempo di intervento della corrente di dispersione residua

Rated current I <sub>n</sub> (A)	Rated residual action current I $\Delta$ <sub>n</sub> (mA)	Residual current breaking time (s)				
		I $\Delta$ <sub>n</sub>	2I $\Delta$ <sub>n</sub>	5I $\Delta$ <sub>n</sub>	5A~200A	500A
16~63	30、300	≤0.1	≤0.08	≤0.04	≤0.04	≤0.04

## ► Parametri tecnici

Technical Parameters	Rated Value
Rated voltage (Un)	230/240V
Rated current (In)	16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated insulation voltage (Ui)	500V
Rated impulse withstand voltage (Uimp)	4kV
Rated residual operating current (IΔn)	0.03A, 0.3A
Number of poles	1P+N
Type of residual current operation	Type A, Type B
Operating frequenc	50/60Hz
Rated conditional short-circuit current (Inc)	6000A
Rated residual conditional short-circuit current (IΔc)	6000A
Rated making and breaking capacity (Im)	500A
Rated residual making and breaking capacity (IΔm)	500A
Tightening torque	2.0N·m
Degree of protection	IP20
Tripping curve	C
Mounting type	TH35-7.5 Standard Guide Rail
Mechanical endurance	20,000 operations
Electrical endurance	10,000 operations

## ► Dimensioni (mm)




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

**RCBO** **CE CB**  
 IEC/EN61008-1, IEC/EN 62423, GB/T 22794, GB/T 16916.1

# GYR9N



The GYR9N residual current operated circuit breaker is suitable for AC circuits with a frequency of 50/60Hz, a rated voltage of 230/240V for two poles and a rated current up to 63A. In the event of personal electric shock or when the grid leakage current exceeds the specified value, the circuit breaker can quickly cut off the faulty power supply in an extremely short time to protect the safety of human bodies and electrical equipment. It can also be used for overload and short-circuit protection of circuits, as well as for non-frequent on-off operations under normal operating conditions. This circuit breaker is applicable to various scenarios including industrial facilities, commercial premises, high-rise buildings and residential dwellings.

- ✔ The product is equipped with a residual current handle tripping function.
- ✔ Wiring capacity: (1-25) mm<sup>2</sup>
- ✔ Compliant with RoHS 2.0
- ✔ Type B: 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.

## ► Product Model And Implication

GYR9	N	□	□
Product model		Product Type	Residual current action type
RCBO	With N pole	M (Electromagnetic type) E (Electronic type)	Type A Type B

## ► Residual leakage current breaking time

Rated current I <sub>n</sub> (A)	Rated residual action current I $\Delta$ <sub>n</sub> (mA)	Residual current breaking time (s)				
		I $\Delta$ <sub>n</sub>	2I $\Delta$ <sub>n</sub>	5I $\Delta$ <sub>n</sub>	5A~200A	500A
16~63	30、300	≤0.1	≤0.08	≤0.04	≤0.04	≤0.04

## ► Technical Parameters

Technical Parameters	Rated Value
Rated voltage (Un)	230/240V
Rated current (In)	16A, 20A, 25A, 32A, 40A, 50A, 63A
Rated insulation voltage (Ui)	500V
Rated impulse withstand voltage (Uimp)	4kV
Rated residual operating current (IΔn)	0.03A, 0.3A
Number of poles	1P+N
Type of residual current operation	Type A, Type B
Operating frequency	50/60Hz
Rated conditional short-circuit current (Inc)	6000A
Rated residual conditional short-circuit current (IΔc)	6000A
Rated making and breaking capacity (Im)	500A
Rated residual making and breaking capacity (IΔm)	500A
Tightening torque	2.0N·m
Degree of protection	IP20
Tripping curve	C
Mounting type	TH35-7.5 Standard Guide Rail
Mechanical endurance	20,000 operations
Electrical endurance	10,000 operations

## ► Dimensions (mm)

