

Current-Operated Circuit Breaker

GYR9N RCBO

Scope of application

GYR9N residual current operated circuit breaker is suitable for AC 50Hz, rated voltage 240V, rated current up to 40A. When people come to electric shock or the leakage current of the network exceeds the specified value, it can quickly cut off the faulty power supply in very short time to protect the safety of people and electrical equipment. At the same time, it can protect the overload or short circuit of the line, and can also be used for infrequent switching of the line. It's suitable for terminal distribution lines in commercial office buildings, residential and general industrial use.

Compliant with : GB/T 16917.1, IEC 61009-1



Technical Parameter

Electrical Characteristics

Classification		Protection type		Poles	Rated current (In)	Rated sensitivity (I Δ n)	Sensitivity		Rated voltage (Ue)
AC	A	ELE	ELM				Instantaneous reaction		
■	■	■	■	1P+N	6, 10, 16, 20, 25, 32, 40A	30, 100, 300mA	■		240V~
Rated insulation voltage (Ui)	Rated frequency	Rated impulse withstand voltage (Uimp)	Rated residual making and breaking capacity I Δ m	rated residual connecting and breaking capacity Inc=I Δ c	Rated residual non-operating current	Break time			
						Residual current I Δ =1I Δ n	Residual current I Δ =2I Δ n	Residual current I Δ =5I Δ n	
500V	50/60Hz	4kV	500A	6kA	0.5I Δ n	0.1s	0.08s	0.04s	

Mechanical properties

Mechanical life /Electric life	Protection class		Ambient temperature	Storage temperature
	Direct install	In distribution box		
4000	Ip20	Ip40	-25°C+40°C	-25°C+60°C

Other characteristics

Wiring size		Contact Status Indication	Fault Indication	Circuit identification	Connection
Copper/Hard Wire	Cord/Hoop Terminals				
1-25mm ²	1-16mm ²	■	■	■	Top and bottom(ELM) Top line(ELE)