0.03A、0.1A、0.3A
Rated Residual Operating Current

GYR9LE

Residual Current Operated Circuit Breaker with Overcurrent Protection (RCBO)

Complies with Standards: IEC/EN 61009-1, GB/T 16917.1

The GYR9LE residual current operated circuit breaker is suitable for AC 50/60Hz circuits with a rated voltage of 240V (two poles) and 415V (four poles), and a rated current up to 40A. When a person suffers an electric shock or the grid leakage current exceeds the specified value, the circuit breaker can rapidly cut off the fault power supply in a very short time to protect the safety of personnel and electrical equipment. It can also be used for overload and short-circuit protection of circuits, as well as for infrequent make-and-break operations under normal conditions. This circuit breaker is suitable for various applications, including industrial, commercial, high-rise, and residential buildings.

- Equipped with a leakage fault trip handle
- Wiring capacity: (1-25) mm²
- Compliant with RoHS 2.0 environmental standards
- Supports bi-directional (reversible) wiring

CE

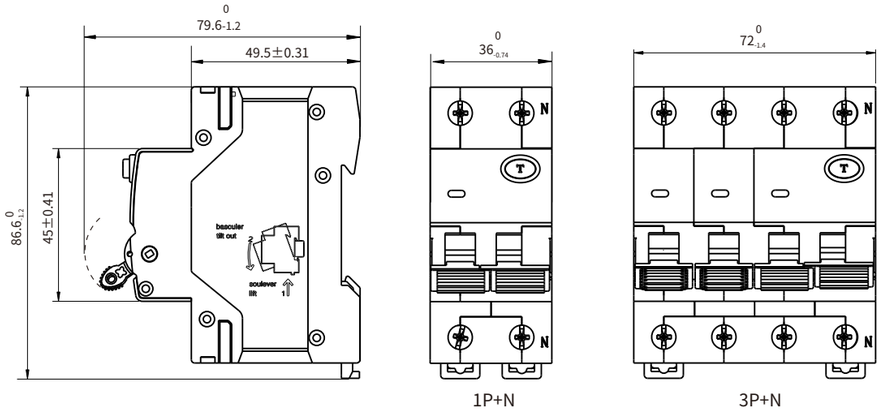
Product Model and Meaning

GYR9L	E
Product Model	
Residual Current Operated Circuit Breaker with Overcurrent Protection	Electronic Type

Break Time of Residual Operating Current

Rated Current In (A)	Rated Residual Operating Current IΔn (mA)	Residual Current Break Time (s)				
		I△n	2I△n	5I△n	5A~200A	500A
6~40	0.03、0.1、0.3	⩽0.1	⩽0.08	⩽0.04	⩽0.04	⩽0.04

Technical Parameters

Technical Parameters	Specifications
Rated voltage (Un)	230/400V、240/415V
Rated current (In)	6A、10A、16A、20A、25A、32A、40A
Rated insulation voltage (Ui)	500V
Rated impulse withstand voltage (Uimp)	4kV
Rated residual operating current (IΔn)	0.03A、0.1A、0.3A
Number of poles	1P+N、3P+N
Residual current operating type	Type AC, Type A, Type B
Operating frequency	50/60Hz
Rated conditional short-circuit current (Inc)	6000A
Rated conditional residual 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
Protection degree	Ip20
Tripping curve	B、C、D
Mounting	TH35-7.5 standard DIN rail
Mechanical life	20000 cycles
Electrical life	10000 cycles

Product Dimensions and Installation Dimensions（mm）