

Leakage Circuit Breaker

IEC61008-1, GB16916.1

IEC/EN61008-2-1, IEC/EN62423

GYL9RCCB

Scope of application

GYL9 residual current circuit breaker (without overcurrent protection) is suitable for AC 50Hz, rated voltage 240V for two poles, 415V for four poles, and rated current up to 80A. It can quickly cut off the fault power in a very short time, To protect the safety of people and electrical equipment, it can also be used for infrequent switching of lines.

It's suitable for terminal distribution lines in commercial office buildings, residential and general industrial use.

Compliant with: IEC61008-1, GB16916.1



Technical Parameter

Electrical Characteristics

Classification		Protection type		Poles	Rated		Sensitivity		Rated voltage(Ue)	
					current(In)	sensitivity (ΔIn)	Instantaneous	Delayed		
AC	A	ELE	ELM							
■	■	■	■	1P+N,3P+N	25	40	63	10	30	100
					80A					300mA
Rated voltage(Ue)		Rated frequency (Hz)		Rated impulse withstand voltage (Uimp)		Rated residual current (IΔn)		Short-circuit current (Isc)		Rated residual current (IΔn)
500V		50/60Hz		4kV (below 63A) 10kV (63A and above)		500A (below 63A) 6kA (63A and above)		10In (63A and above)		0.51Δn
Rated residual current (IΔn)		Rated residual current (IΔn)		Rated residual current (IΔn)		Break time (Instantaneous)		Break time (Instantaneous)		Break time (Instantaneous)
0.1s		0.08s		0.04s		Δ=1 Δn Δ=2 Δn Δ=5 Δn		0.1s		0.08s

Mechanical properties

Mechanical life /Electric life	Protection class		Ambient temperature	Storage temperature
	Direct install In distribution box			
4000	Ip20	Ip40	-25°C+60°C	-25°C+70°C

Other characteristics

Wiring size		Contact Status	Fault Indication identification	Circuit	Connection	Assemblable accessories
Copper/Hard Wire	Cord/Hoop Terminals					
1-35mm 2	1-25mm 2	—	■	—	Top and bottom(ELM) Top line (ELE)	—

GYL9-BRCCB

Scope of application

GYL9-B residual current operated circuit breaker is suitable for AC 50Hz, rated voltage 240V for two poles, 415V for four poles, rated current up to 63A, used to detect AC leakage, pulsating DC leakage, smooth DC leakage, compound wave leakage and high frequency leakage current up to 1kHz. When people come to electric shock or the leakage current of the circuit exceeds the specified value, it automatically cuts off the faulty power supply in a very short time to protect the safety of people and electrical equipment. It can also be used for infrequent switching operations in normal condition.

Compliant with: IEC62423, IEC61008-1, GB22794, GB16916.1



Technical Parameter

Electrical Characteristics

Classification	Application	Poles	Rated current (In)	Rated sensitivity (IΔn)	Rated Voltage (Ue)
B	Electric car Equipment circuit charging station, controlled by three phase inverter	1P+N, 3P+N	25	40	63
			80A	300mA	
Rated insulation voltage (Ui)	Rated frequency	Rated impulse withstand voltage (Uimp)	Rated short-circuit current (Isc)	Rated residual current (IΔn)	Rated residual current non-operating current
500V	50/60Hz	4kV	500A (63A below) 10In (63A and above)	6kA	0.5IΔn

Mechanical properties

Mechanical life /electrical life	Protection class		Working ambient temperature	Storage temperature
	Installed directly distribution box Installed in the			
4000	Ip20	Ip40	-25°C+60°C	-25°C+70°C

Other characteristics

Wiring size		Contact status Indication	Fault Indication	Circuit identification
Copper/ hard wire Cord/hoop terminals				
1-35mm 2	1-25mm 2	—	■	—

Leakage Circuit Breaker

IEC62955,IEC61008.1

GYL9A+EVCCB

Scope of application

GYL9 type A+EV leakage current circuit breaker is suitable for protection of AC facilities with charging mode 3, DC leakage current of more than 6mA ,when there is a residual fault current of more than 6mA in the system,it can automatically cuts off the fault power in very short time.

It is used to detect the DC residual current greater than 6mA in the AC system.According to the IEC61851 standard, it should be used with the RCD with type A residual current protection characteristics, which provides protection against possible ground faults.



Technical Parameter

Electrical features									
Residual current operating type	Rated current (In)	Poles	Rated voltage (Ui)	Rated voltage (Ue)	Rated frequency (Hz)	Rated sensitivity (IΔn)	Rated DC current sensitivity (IΔn)	Rated operating c	
A+EV	25 40 63A	2P 4P	240/415V	500V	50/60Hz	30mA	6mA		
Rated short-circuit current Inc	Rated limited current Δc	Rated switch-on capacity Im	Rated switch-on capacity Δm	Rated switch-on Fuse selection	Rated impulse voltage (1.2/50) test voltage	Dielectric test voltage	Pollution level		
6kA 10kA	6kA 10kA	30A (63A)	30A (63A)	500A(25A 40A) 6 500A(25A 40A) 6	Matching silver wire	4000V 2500V/1min		2	

mechanical features		installed							
Mechanical life	Electrical life	Leakage trip indication	Protection class	Ambient temperature (±35°C)	Storage temperature	Wiring size	Installed location	Wiring	Wiring
10000	4000	■	Ip20	-5~+60°C	-25~+70°C	35mm 2	standard rail DIN 60715	Wiring up	

Rated residual current breaking time

Rated current	Rated sensitivity (IΔn)	Residual current segment time (S)		
		IΔn	2IΔn	5IΔn
25 40 63A	30	0.1	0.08	0.04
	Residual current segment time (S)			
	Rated sensitivity (IΔn)	6mA	60mA	200mA
	30	10	0.3	0.1

IEC61008-1, GB16916.1

GYL10RCCB

Scope of application

GYL10 residual current circuit breaker (without overcurrent protection) is suitable for AC 50Hz, rated voltage 240V for two poles, 415V for four poles, and rated current up to 63A.It can quickly cut off the fault power in a very short time,

To protect the safety of people and electrical equipment, it can also be used for infrequent switching of lines.

Compliant with : GB/T 16916.1, IEC 61008-1, CE, CB marked.



Technical Parameter

Electrical Characteristics									
Classification	Protection type	Poles	Rated current (In)	Rated sensitivity (IΔn)	Sensitivity	Rated instantaneous voltage (Ue)	Rated delayed voltage (Ue)	Rated residual current	Rated residual current
AC A ELE ELM									
■	■	■	■	■	1P+N, 3P+N 25, 40, 63A	10 30 100 300mA	■	■	1P+N 240V~ 3P+N 415V~
Rated voltage (Ui)	Rated insulation frequency voltage (Uimp)	Rated impulse withstand making and breaking Inc	Rated residual current non-operating current	Short-circuit current	Rated residual current	Break time (Instantaneous)	Residual current	Residual current	Residual current
			capacity IΔm			Δ=1 Δn Δ=2 Δn Δ=5 Δn			
500V 50/60Hz	4kV (below 63A) 10In(63A 6kA and above)	500A	10In(63A 6kA	0.5 Δn	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	Fault Indication	Circuit identification	Connection	Assemble accessories
Copper/Hard Cord/Hoop Wire	Indication Terminals				
1-25mm 2	1-16mm 2	—	—	■	Top and bottom(ELM) Top line (ELE)