Leakage Circuit Breaker

IEC62955,IEC61008.1

GYL9 A+EV RCCB

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	Rated Insulation voltage (Ui)	Rated frequency	Rated sensitivity (I△n)	DC current operating sensitivityI△nd c
A+EV	25、40、63A	2P、4P	240/415V	500V	50/60Hz	30mA	6mA

Rated short-circuit current Inc	Rated limited short-circuit currentI△c	Rated switch-on segment capacityIm	Rated switch-on segment capacityI△m	Fuse selection	Rated impulse withstand voltage (1.2/50)	Dielectric test voltage	Pollution level
6kA、10kA	6kA、10kA	500A(25A,40A),630A (63A)	500A(25A,40A),630A (63A)	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	Wiring location
10000	4000	■	Ip20	-5~ +60°C	-25~ +70°C	35mm²	DIN 60715 standard rail	Wiring up

Rated residual current breaking time

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

IEC61008-1,GB16916.1

GYL10 RCCB

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 (I△n)	Sensitivity		Rated voltage (Ue)
AC	A	ELE	ELM				Instantaneous	Delayed	
■	■	■	■	1P+N,3P+N	25、40、63A	10、30、100、300mA	■	■	1P+N:240V~ 3P+N:415V~

Rated insulation voltage (Ui)	Rated frequency	Rated impulse withstand voltage (Uimp)	Rated residual making and breaking capacity I△m	Short-circuit current Inc=I△c	Rated residual non-operating current	Break time(Instantaneous)		
						Residual current I△=1I△n	Residual current I△=2I△n	Residual current I△=5I△n
500V	50/60Hz	4kV	500A (below 63A) 10In(63A and above)	6kA	0.5I△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	Assemblable accessories
Copper/Hard Wire	Cord/Hoop Terminals					
1-25mm²	1-16mm²	——	——	■	Top and bottom(ELM) Top line(ELE)	——

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000