







GYL9-B RCCB

●Functions and Applications

Leakage protection; Suitable for industrial, commercial, high-rise and civil residential and other occasions.

The product ensures reliable action for sinusoidal ac residual current, pulsed dc residual current, ac residual sinusoidal current (up to 1000Hz), pulsed dc residual current, and smooth dc residual current (whether applied suddenly or slowly increasing).

●Detect waveform and protection range

Detection of waveform	waveform	Different waveform action range
Sine AC		$0.5 \sim I_{\Delta n}$
Pulsating dc		$0.35 \sim 1.4 I_{\Delta n}$
High frequency (up to 1kHz)		150Hz, $0.5 \sim 2.4 I_{\Delta n}$
		400Hz, $0.5 \sim 6 I_{\Delta n}$
		1000Hz, $1 \sim 14 I_{\Delta n}$
Two phase full wave rectification		$0.5 \sim 2 I_{\Delta n}$
Three-phase full-wave rectifier		$0.5 \sim 2 I_{\Delta n}$
Smooth direct current		$0.5 \sim 2 I_{\Delta n}$

●Product Feature

Standard: IEC62423、IEC61008.1、GB22794、GB16916.1

Double sink flow bar wiring function

With leakage fault indication

Maximum Wiring Capacity 35mm²

●Technical Specification

Residual current action type			B
Rated Current	I_n	A	25、40、63、80、100
Poles			2P、4P
Rated Operational Voltage	U_n	V	240/415
Nominal Insulation Voltage	U_i	V	500
Working Frequency		Hz	50/60
Rated residual non-action current	$I_{\Delta n0}$	mA	$0.5 I_{\Delta n}$
Rated residual action current	$I_{\Delta n}$	mA	30
Direct current flow as sensitivity	$I_{\Delta ndc}$	mA	$0.5 \sim 2 I_{\Delta n}$
Rated impact tolerance voltage	U_{imp}	V	4000
1 min dielectric voltage		V	2000
Rated limit short circuit current	I_{nc}	A	6、10
Rated limit Remaining short circuit current	$I_{\Delta c}$	A	6、10
Rated on and off capacity	I_m	A	500A(25A,40A),或 $10I_n(\geq 63A)$
Rated residual switching and breaking capacity	$I_{\Delta m}$	A	500A(25A,40A),或 $10I_n(\geq 63A)$

●Residual leakage current breaking time

rated current I_n (A)	Rated residual action current $I_{\Delta n}$ (mA)	Residual current breaking time(s)		
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$
16、25、40、63	30、100、300	0.1	0.08	0.04

●Outline Overall And Installing Dimensions

