GYL8 Series RCCB

General

GYL8 earth leakage circuit breaker is suitable to the circuit of AC 50/60Hz.rated voltage 230V for 2 poles and 400V for 4 poles, and rated current up to 63A.when people come across the electric shock or the leakage current of the electrical network exceeds the fixed value, this product can cut off the fault current in short period so as to protect person and the equipments, It also can be used in the infrequent starting of the circuit and motors. The circuit breaker is suitable to industry, commerce, high-rise building, household and other kinds of places.

- In complicance with IEC/EN61008.1.
- Bilateral busbar wiring capabilities to adapt to the wider use of premises.
- Maximum connecting ability of 25mm², wiring torque 3.5N*m, applicable to a variety of installing equipments, wiring stronger.
- Protection class:IP20.

Technical Date

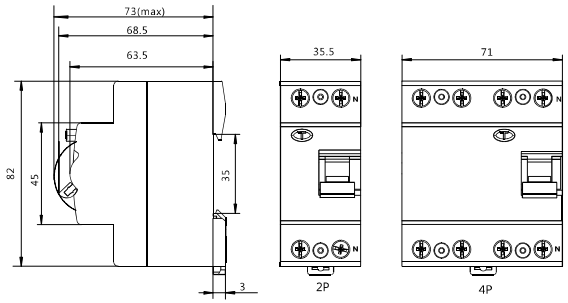
Electrical features	
Rated current In	16A、25、40、63A
Poles	2P 4P
Rated voltage Ue	2P:230V~ 4P:400V~
Insulation voltage Ui	500V
Rated frequency	50/60Hz
Rated sensitivity I△n	0.03A 0.1A 0.3A
Rated residual making and breaking capacity I m	500(In=25-40A) 630(In=63A)
Short-circuit current Inc=I△c	6000A
SCPD fuse	6000
Break time under I△n	≤0. 1S
Rated impulse withstand voltage(1.2/50)Uimp	6000V
Dielectric test voltage at and ind.Freq.for 1min	2.5kV
Electrical life and Mechanical life	4000
Pollution degree	2
Installation	
Fault current indicator	NO
Protection degree	IP20
Ambient temperature(with daily average≤35℃)	-5~+40℃
Storage temperature	-25+70℃
Terminal connection type	Cable/U-type busbar/Pin -type busbar
Terminal size top/bottom for cable	25mm² 18-3
Tightening torque	3.0N*m 22
Mounting	On DIN rail FN 60715 (35mm) by means of fast clip device
Connection	From top and bottom

IEC/EN 61008-1 Inc=6 kA

Detection Waveform Type and Classification

Waveform definition	Waveform	AC Type	A Type	A-SI Type	Tripping current
Sinusoidal exchange	~	✓	✓	✓	0.5~1 I△n
Pulsating half wave	⎍	X	✓	✓	0.5~1. 4 I△n
Pulsating Half wave + diret current (6mA)	⎍	X	✓	✓	max1.4I△n+6mA
Pulsating Half wave + diret current (10mA)	⎍	X	X	✓	max1.4I△n+10mA
High frequency (up to 1KHz)	⎍	X	X	X	150Hz,0.5~2. 4 I△n
		X	X	X	400Hz,0.5~6 I△n
		X	X	X	1000Hz,1~14 I△n
Two phase rectified full wave	⎍	X	X	X	0.5~2 I△n
Three phase rectified full wave	⎍				
Direct current	⎓				

Connection

Rated current In	Nominal Section Area of Copper Wire(mm²)
1~6A	1
10A	1.5
16、20A	2.5
25A	4
32A	6
40、50A	10
63A	16

Overall and mounting dimensioned chart