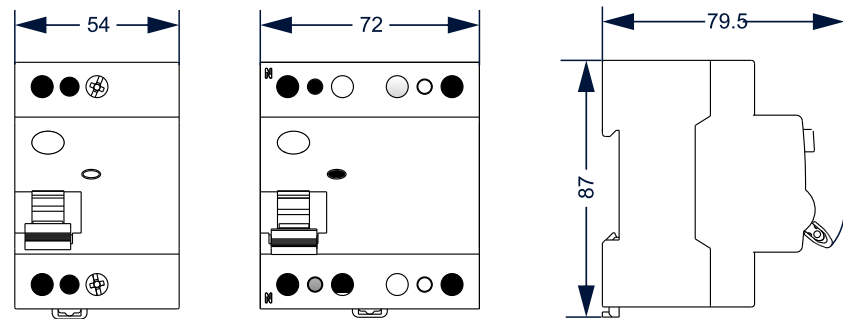
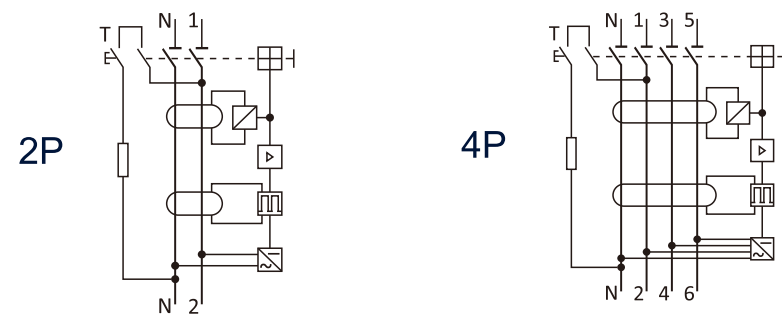


Dimensions



Wiring Diagrams



B Type RCCB



Function Introduction

B type PR8HM is a kind of circuit breaker with complete update of residual current Detection based on current A type RCCB. It can not only effectively protect AC, pulsing DC (A type) and the possible compound residual current (F type), but also smoothing DC and high frequency residual current (1K Hz). In a circuit considering of rectifier, frequency inverter, etc. the leakage current caused in DC loop circuit can be effectively detected and protected.

Application

The products can be applied in industry, medical, EV charger, elevator, etc.

Residual Current Device					
Wave form	Current types	B Type	F Type	A Type	AC Type
	Residual sinusoidal alternating current	●	●	●	●
	Residual pulsating direct current	●	●	●	
	The composite residual current	●	●		
	Residual pulsating direct current superimposed on a residual smooth direct current	●	●		
	Residual sinusoidal alernating currents up to 1000Hz	●			
	Residual alternating current superimposed on a residual smooth direct current	●			
	Residual pulsating direct current which many result from rectifying circuits supplied from two phases (or three phases)	●			
	Residual smooth direct current	●			

Main Parameters

Standard	IEC/EN61008-1 IEC/EN62423
Certification	CE, KEMA, CB
Rated voltage Un	240V 1P+N; 415V 3P+N
Rated current In	25A,40A,63A
Rated residual operated current I△n	0.03A,0.1A,0.3A
Poles	2P,4P
Type of residual current	Type B (AC+A+smoothing DC+F+high frequency signal 1K Hz)
Rated limited short circuit current Inc	10000A
Rated making and breaking capacity Im	630A
Rated insulation voltage Ui	500V
Rated impulse withstand voltage Uimp	4000V
Electrical life	1000 times
Mechanical life	2000 times
Operated ambient temperature	-25℃~+40℃
Stored ambient temperatire	-25℃~+70℃
Tightening torque	3N.M
Connection capacity	16mm²
Pollution level	IP20
Protection level	2
Mounting type	Ⅱ