

GACIA



B Type RCCB

Residual Circuit Breaker

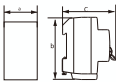


Residual current circuit breakers B type PR8HM are suitable for industrial applications where are used frequency inverters, PV plant, EV chargers and similar elements. B type provides a sensitivity to residual AC, pulsating and smooth DC current, together with high frequencies up to 1k Hz.

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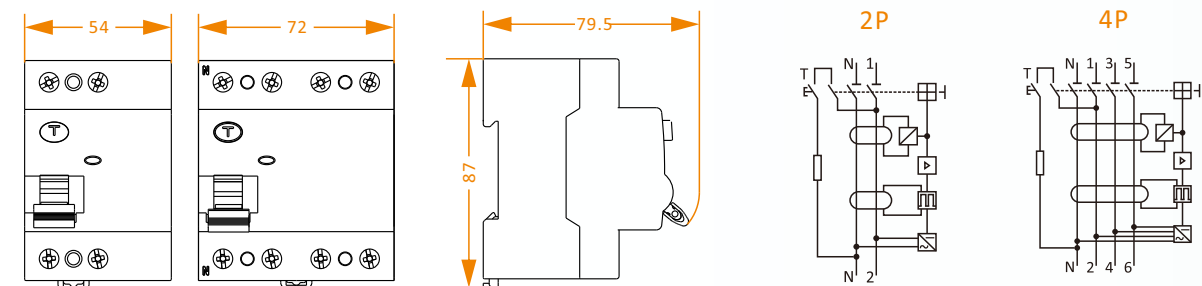


Electrical Specification

Design according to			IEC/EN 61008-1 IEC/EN 62423			
Certification			CE 			
Poles			2P		4P	
Rated current(A)		In	25,40,63		25,40,63	
Rated working voltage(V)		Ue	230/240		400/415	
Rated insulated voltage (V)		Ui	500		500	
Impulse withstand voltage(kV)		Uimp	4.5			
Rated short circuit breaking capacity (kA)		Inc	10			
Rated Residual Current(mA)		IΔn	30,100,300			
Rated Residual making and breaking capacity(A)		IΔm	1000			
Residual current protection type			Electromagnetic(A type magnetic and B type electronic)			
Sensitivity to residual current			B type- residual AC, Pulsating and smooth DC current, high frequency(1kHz)			
Surge current proof (A)			3000			
Service life (O-C)	Mechanical	Standard value	4000			
	Electrical	Standard value	2000			
Connection and Installation						
Ambient temperature(with daily average≤35℃)			-25℃~+40℃			
Protection degree	All Sides		IP40			
	Connection terminal		IP20			
Wire(mm²)			35			
Busbar(mm²)			35			
Mounting			Cable/Busbar			
Reference temperature for setting of thermal element			30			
Pollution degree			2			
Storage temperature(℃)			-25℃~+40℃			
Connection			Top and Bottom	Top and Bottom	Top	Top
Dimensions(mm) (WxHxL)		a(2P/4P)	54/72			
		b(2P/4P)	87/87			
		c(2P/4P)	79.5/79.5			

Dimensions

Wiring diagrams



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