

TYPE F RCD SERIES

Specifically engineered for applications utilising single phase frequency converters, including heat pumps, air conditioning systems, and washing machines.

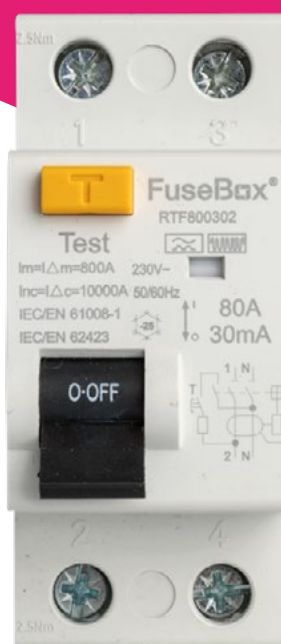


PART NUMBER DESCRIPTION

RFT250302	25A 30mA 2P RCD TYPE F
RFT400302	40A 30mA 2P RCD TYPE F
RFT630302	63A 30mA 2P RCD TYPE F
RFT800302	80A 30mA 2P RCD TYPE F
RFT100302	100A 30mA 2P RCD TYPE F

ELECTRICAL FEATURES

Standard	IEC62423, IEC61008-1		
Residual Current Type	F		
Model	Electromagnetic		
Rated current I_n	25, 40, 63, 80, 100A		
Poles	2P 4P		
Rated voltage U_e	2P: 230V 4P: 400V		
Insulation voltage U_i	500V		
Rated frequency	50/60Hz		
Rated sensitivity $I_{\Delta n}$	30mA		
Rated residual making and breaking capacity $I_{\Delta m}$	500A ($I_n \leq 40A$), 630A ($I_n = 63A$)		
Short-circuit current $I_{nc} = I_{\Delta c}$	10000A		
Break time under $I_{\Delta n}$	$\leq 0.1S$		
Rated impulse withstand voltage $(1.2/50)U_{imp}$	4KV		
Dielectric test voltage 2000V for 1 min	2.5KV		
Neutral position	Right hand side		
Electrical life	4000 CYCLE		
Pollution degree	2		
Waveform definition	Waveform	Type F	Tripping current
Sinusoidal exchange		✓	0.5-1 $I_{\Delta n}$
Pulsating half wave		✓	0.5-1.4 $I_{\Delta n}$
Pulsating half wave+ direct current (10mA)		✓	Max 1.4 $I_{\Delta n} + 10mA$
High frequency (up to 1KHz)		✓	150Hz 0.5-2.4 $I_{\Delta n}$
			400Hz 0.5-6 $I_{\Delta n}$
			1000Hz 1-14 $I_{\Delta n}$



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MECHANICAL FEATURES

Mechanical life	10,000
Protection degree	IP20
Ambient temperature (with daily averages 35°C)	-25°C +40°C
Storage temperature	-25°C +70°C
Maximum cable capacity	25mm ²
Recommended tightening torque	2.5Nm
Mounting	35mm DIN rail