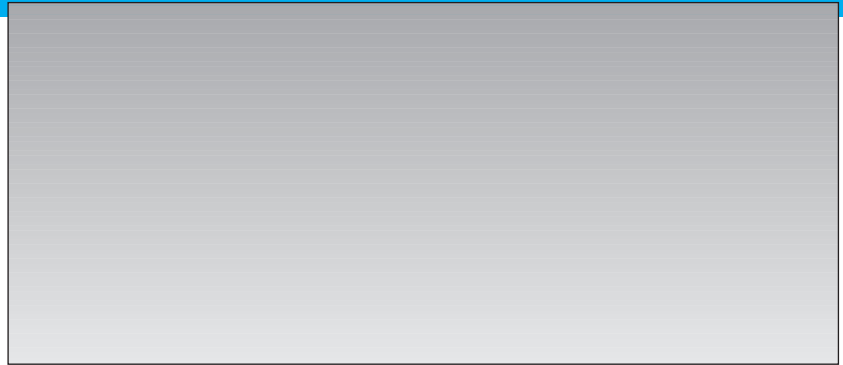


- DIL package
- BT type 47 approved
- 1500V FCC surge between coil and contacts and adjacent contacts
- Fully sealed for immersion cleaning
- Bifurcated crossbar contacts for high reliability
- UL/CSA approved



Part Numbers

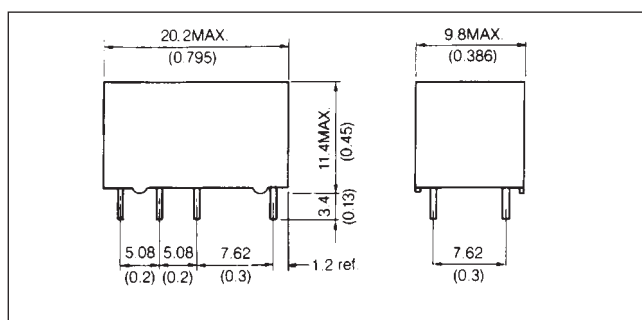
at 20°C

Part Number	B.T. Type	Nominal Voltage (VDC) Range 80% - 125%	Coil Resistance (Ω) ±10%	Test Operate Current (mA)	Limit Circuit Current (mA)
MR62-4.5USB	47/5	4.5	36	80	112
MR62-9USB	47/9	9	200	32.5	45.5
MR62-12USB	47/6	12	280	27	38
MR62-24USB	47/7	24	1,050	14	20
MR62-48USB	47/8	48	4,000	7	10

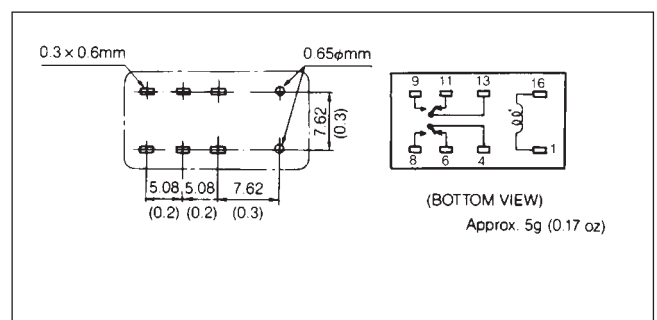
Specifications

Contact form	2 Form C	
Contact rating	Maximum switching power	60W
	Maximum switching voltage	220 VDC
	Maximum switching current	2A
	Maximum carrying current	3A
Initial contact resistance	50m Ω Max.	
Contact material	Silver alloy with gold overlay	
Nominal operating power	Approx. 550mW (at 25°C, 77°F)	
Operate time (excluding bounce)	Approx. 3ms	
Release time (excluding bounce)	Approx. 2ms	
Insulation resistance	1,000 MΩ at 500 VDC	
Breakdown voltage	Between open contacts	500 VAC (for 1 minute)
	Between adjacent contacts	1000 VAC (for 1 minute)
	Between coil and contacts	1000 VAC (for 1 minute)
Coil temperature rise	40°C (at nominal coil voltage)	
Shock resistance - 1/2 sine 11mS - MIL 202E-213B	30 G (misoperating)	
Vibration resistance - 10-500Hz Amp. 1.5mm - MIL 202E-204C	100 G (misoperating)	
Electrostatic capacitance	Between open contacts	Approx. 2pF
	Between adjacent contacts	Approx. 2pF
	Between coil and contacts	Approx. 3pF
Ambient temperature	-40°C to +70°C	
Life expectancy	Mechanical	1 x 10 ⁷ operations
	Electrical	1 x 10 ⁶ operations (at 24 VDC, 1A resistive)
		3 x 10 ⁶ operations (at 24 VDC, 0.5A resistive)
Weight	Approx. 5 grams	

Dimensions mm (inch)

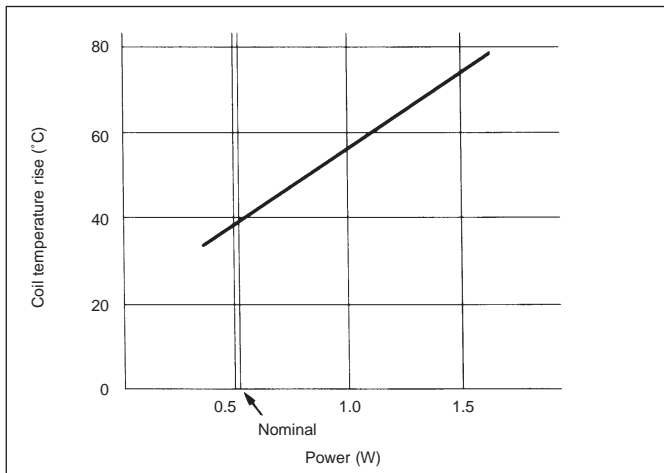


PCB Layout and Schematics

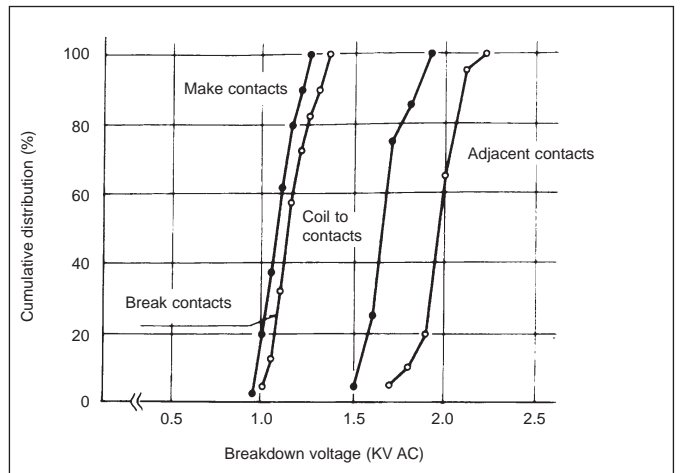


Data

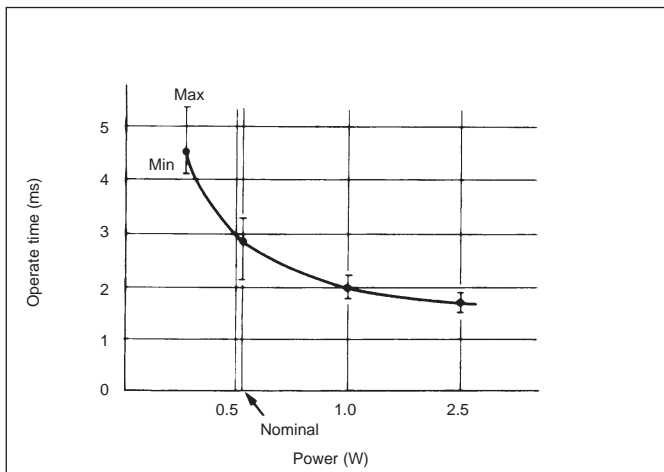
Coil Temperature Rise



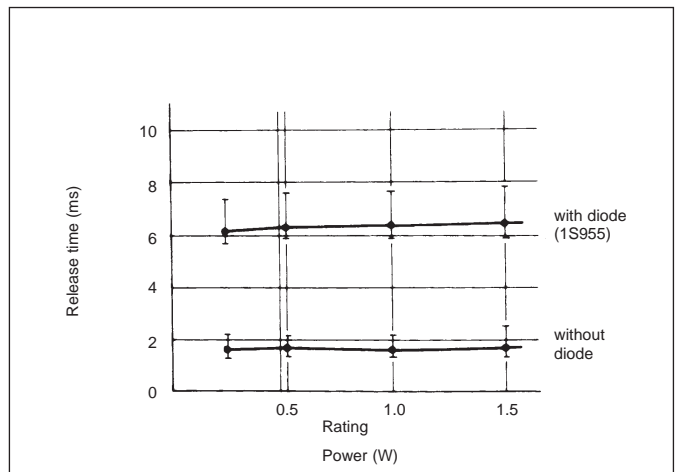
Breakdown Voltage



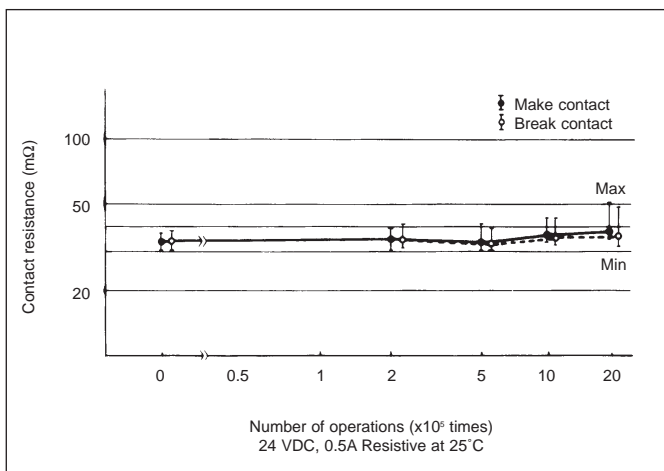
Operate Time



Release Time



Electrical Life Test



Electrical Life Test

