

EMR 01,02,03 SERIES

FEATURES

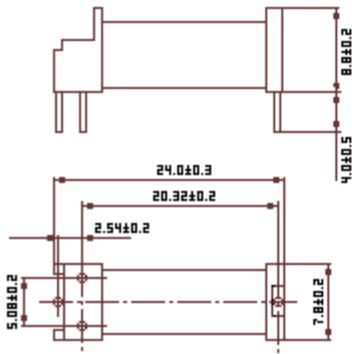
- 2.54 mm IC terminal arrangement.
- High switching speed and low bounce time.
- Use gas tube sealed switch to prevent dust, gas and humidity influence.
- Wide operate voltage range and low power consumption.
- Ideal for use on cordless telephone, multifunction telephone, modem, burglar alarm etc.

SPECIFICATIONS

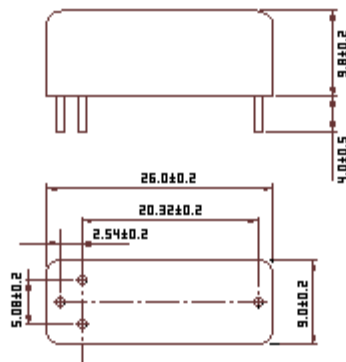
Types	01	02	03
Contact Form	1A,1B	1A,1B	1A,1B
Contact Rating			
Maximum switching power	10VA	10VA	10VA
Maximum switching voltage	100VDC	100VDC	100VDC
Maximum switching current	0.5A	0.5A	0.5A
Maximum carry current	1.0A	1.0A	1.0A
Contact Resistance, Initial	150 m Ω	150 m Ω	150 m Ω
Contact Material	Rhodium	Rhodium	Rhodium
Life Expectancy			
Signal level load (ref 10VDC,10mA)	10 \times 10 ⁶	10 \times 10 ⁶	10 \times 10 ⁶
Timing (at nominal VDC, 25Hz drive, 50% duty cycle with diode suppression)			
Operate time, maximum (Including Bounce)	1.0 ms	1.0 ms	1.0 ms
Release time, maximum	0.5 ms	0.5 ms	0.5 ms
Dielectric Voltage			
Coil to contact	500 VAC	500 VAC	500 VAC
Across contacts	200 VDC	200 VDC	200 VDC
Insulation Resistance(Ω)	100 \times 10 ⁶	100 \times 10 ⁶	100 \times 10 ⁶
Temperature Range	-10 $^{\circ}$ C to +60 $^{\circ}$ C	-10 $^{\circ}$ C to +60 $^{\circ}$ C	-10 $^{\circ}$ C to +60 $^{\circ}$ C
Shock Resistance	30G Min.	30G Min.	30G Min.
Electrical Life at Rated Load	10 ⁶	10 ⁶	10 ⁶

DIMENSIONS: UNIT: mm

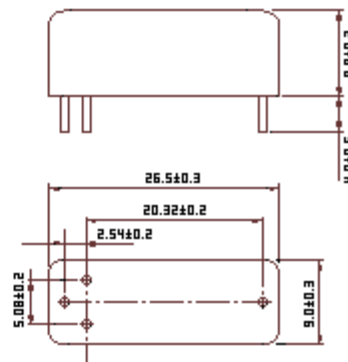
EMR01 (FORM 1A,1B)
Open Type



EMR02 (FORM 1A,1B)
Magnetic Shield Type

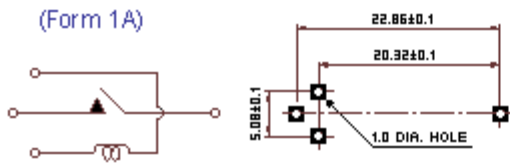


EMR03 (FORM 1A,1B)
Plastic Cap Type

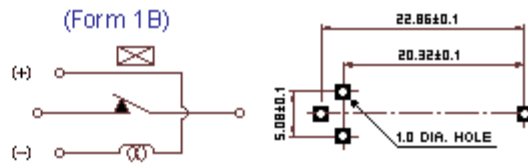


Wiring Diagram and PCB Layout (Top View)

(Form 1A)



(Form 1B)



Part Number	Nominal Voltage(VDC)	Coil Resistance (Ohms+/- 10%)	Nominal Input Power(mW)	Must Operate Voltage(VDC)	Must Release Voltage(VDC)	Maximum Voltage(VDC)
EMR011A03	3	500	18	2.4	0.8	11.0
EMR011A05	5	500	50	3.2	0.8	11.0
EMR011A06	6	500	72	3.8	0.8	11.0
EMR011A08	8	700	92	6.0	0.8	18.0
EMR011A09	9	700	116	6.0	0.8	18.0
EMR011A12	12	1050	138	8.0	0.8	22.0
EMR011A24	24	2080	277	16.0	0.8	32.0
EMR011B03	3	500	18	2.4	0.8	3.6
EMR011B05	5	500	50	3.75	0.8	6.0
EMR011B06	6	500	72	4.5	0.8	7.2
EMR011B08	8	700	92	6.0	0.8	9.6
EMR011B09	9	700	116	6.75	0.8	10.8
EMR011B12	12	1050	138	9.0	0.8	14.4
EMR011B24	24	2080	277	18.0	0.8	28.8
EMR021A03	3	500	18	2.4	0.8	11.0
EMR021A05	5	500	50	3.2	0.8	11.0
EMR021A06	6	500	72	3.8	0.8	11.0

EMR021A08	8	700	92	6.0	0.8	18.0
EMR021A09	9	700	116	6.0	0.8	18.0
EMR021A12	12	1050	138	8.0	0.8	22.0
EMR021A24	24	2080	277	16.0	0.8	32.0
EMR021B03	3	500	18	2.4	0.8	3.6
EMR021B05	5	500	50	3.75	0.8	6.0
EMR021B06	6	500	72	4.5	0.8	7.2
EMR021B08	8	700	92	6.0	0.8	9.6
EMR021B09	9	700	116	6.75	0.8	10.8
EMR021B12	12	1050	138	9.0	0.8	14.4
EMR021B24	24	2080	277	18.0	0.8	28.8
EMR031A03	3	500	18	2.4	0.8	11.0
EMR031A05	5	500	50	3.2	0.8	11.0
EMR031A06	6	500	72	3.8	0.8	11.0
EMR031A08	8	700	92	6.0	0.8	18.0
EMR031A09	9	700	116	6.0	0.8	18.0
EMR031A12	12	1050	138	8.0	0.8	22.0
EMR031A24	24	2080	277	16.0	0.8	32.0
EMR031B03	3	500	18	2.4	0.8	3.6
EMR031B05	5	500	50	3.75	0.8	6.0
EMR031B06	6	500	72	4.5	0.8	7.2
EMR031B08	8	700	92	6.0	0.8	9.6
EMR031B09	9	700	116	6.75	0.8	10.8
EMR031B12	12	1050	138	9.0	0.8	14.4
EMR031B24	24	2080	277	18.0	0.8	28.8

Made in China