

	Typical Applications : · Telecommunication Equipment, Office Equipment. · Security Alarm Systems, Measuring Instruments. · Medical Monitoring Equipment, Audio Visual Equipment. · Flight Simulator, Sensor Control.
BA3 Relay	
	Features : · Compact Size and Low Profile : 5 x 14 x 9 mm · Confirms to FCC Part 68 1500V Surge and Dielectric Strength 1000VAC. · DIL Pitch Terminals · Fully sealed (Immersion cleanable) · Single and double Coil latching Type available. · High Sensitivity: 140mW Normal Power.

1. SPECIFICATIONS

Detail Parameter		PCB Terminal	SMD Terminal
Outline Dimensions (mm)		14.0 × 9.0 × 5.0	14.2 x 9.3 x 5.3
Type		Bifurcated Crossbar	
Contact Arrangement		2 Form C	
Material	Movable Contact	Silver-Palladium Alloy	
	Stationary Contact	Gold clad Silver-Palladium Alloy	
Contact Rating (Resistive Load)		1A 30Vdc / 0.5A 125Vac	
Contact Resistance		≤ 50 mΩ	
Max. Switching Power		30W DC / 62.5VA AC	
Max. Switching Voltage		220Vdc / 250Vac	
Max. Switching Current		1A DC/AC	
Life Expectancy	Mechanical	1 x 10 ⁸	
	Electrical	2 x 10 ⁵ at 1A 30VDC, 1 x 10 ⁵ at 0.5A 125VAC	

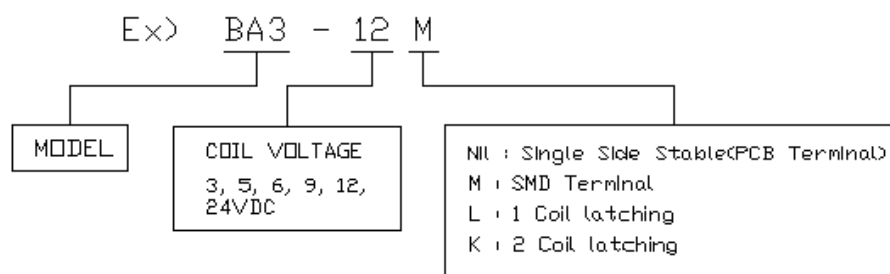
2. Characteristics at 20°C (68°F)

Operate Time (At nominal Voltage)		Approx. 2ms
Release Time(At nominal Voltage)		Approx. 1ms
Set Time (Latching) (At nominal Voltage)		Approx. 2ms
Re-set Time (Latching)		Approx. 2ms
Electrostatic Capacitance Between	Open contacts	Approx. 0.4pF
	Coil and contacts	Approx. 0.9pF
	Contact poles	Approx. 0.2pF
Dielectric Withstand Voltage between	Open contacts	1000V AC for 1 minute
	Coil and contacts	1000V AC for 1 minute
	Contact poles	1000V AC for 1 minute
Surge Withstand Voltage between	Open contacts	1500V
	Coil and contacts	1500V
	Contact poles	2500V
Insulation Resistance		1000MΩ min. at 500V DC
Shock Resistance	Functional	50G (11 ms)
	Destructive	100G (6 ms)
Vibration resistance	Functional	3 mm D.A. 10 to 55 Hz
	Destructive	5 mm D.A. 10 to 55 Hz
Ambient Temperature		-40~70°C -40~85°C
Relative Humidity		85%
Mass		1.5g

3. TYPES AND COIL DATA at 20°C (68°F)

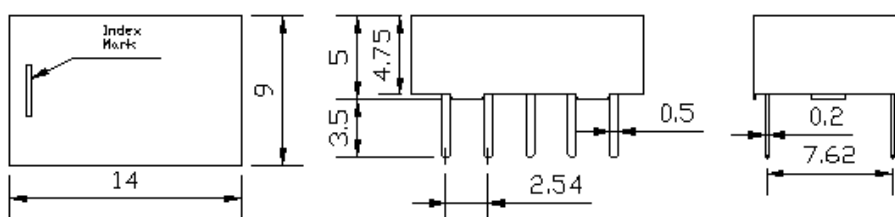
Single Side Stable							
Relay Code	Normal Voltage VDC	Coil resistance $\Omega \pm 10\%$	Pick-Up Voltage VDC	Drop-Out Voltage VDC	Normal Power Consumption W DC	Continuous Voltage VDC(Max.)	
BA3-3	3	64.3	2.25	0.3	0.14	7.5	
BA3-5	5	178	3.75	0.5	0.14	12.5	
BA3-6	6	257	4.50	0.6	0.14	15.0	
BA3-9	9	579	6.75	0.9	0.14	22.5	
BA3-12	12	1028	9.00	1.2	0.14	30.0	
BA3-24	24	2880	18	2.4	0.20	48.0	
1 Coil Latching							
Relay Code	Normal Voltage VDC	Coil resistance $\Omega \pm 10\%$	Set Voltage VDC	Re-set Voltage VDC	Normal Power Consumption W DC	Continuous Voltage VDC(Max.)	
BA3-3L	3	90	2.25	-2.5	0.10	6.5	
BA3-5L	5	250	3.75	-3.75	0.10	10.8	
BA3-6L	6	360	4.50	-4.50	0.10	13.0	
BA3-9L	9	810	6.75	-6.75	0.10	19.5	
BA3-12L	12	1440	9.00	-9.00	0.10	26.5	
BA3-24L	24	3840	18.0	-18.0	0.15	52.9	
2 Coil Latching							
Relay Code	Normal Voltage VDC	Coil res. $\Omega \pm 10\%$		Pick-Up Voltage VDC	Drop-Out Voltage VDC	Normal Power Consumption W DC	Continuous Voltage VDC(Max.)
		Set	Re-set				
BA3-3K	3	45	45	2.25	2.25	0.20	6.0
BA3-5K	5	125	125	3.75	3.75	0.20	7.7
BA3-6K	6	180	180	4.50	4.50	0.20	9.2
BA3-9K	9	405	405	6.75	6.75	0.20	13.7
BA3-12K	12	720	720	9.00	9.00	0.20	18.3
BA3-24K	24	1290	1290	18.0	18.0	0.30	36.7

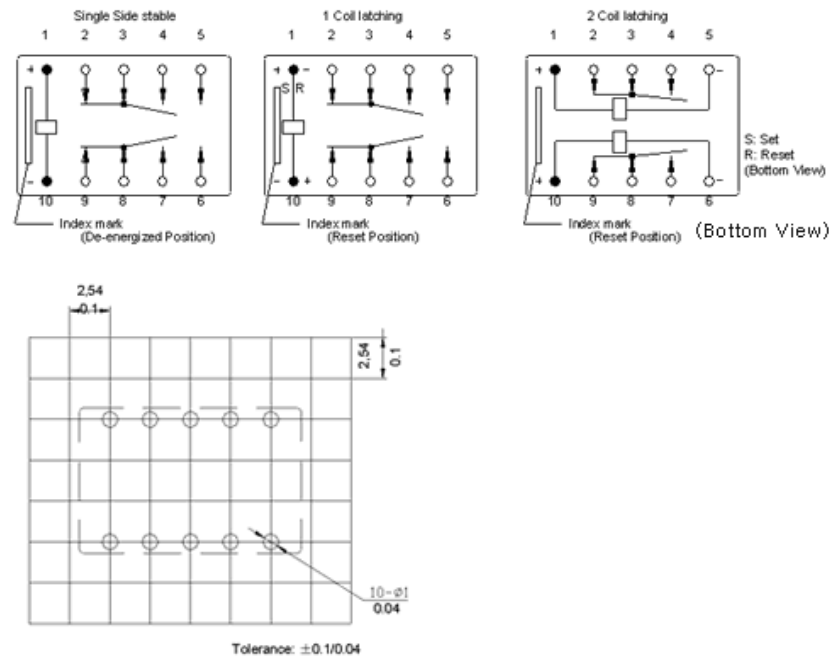
4. Ordering Code



5. Overall And Mounting Dimensions

PCB Terminal





SMD Terminal

