



## BZ Relay



### Features

- cubic power relay up to 15 A
- small dimensions
- low-cost type

### Contact Data

Contact Arrangement .....	1 Form A / 1 Form B / 1 Form C
Contact Material.....	AgSnO <sub>2</sub>
Contact Rating .....	10A: 250 VAC / 24 VDC
Switching current max. ....	15A
Switching voltage max. ....	24 VDC / 250 VAC
Switching power max.....	2500 VA
Initial Contact Resistance max.	100 mohms
Min. Switching load.....	5 VDC / 10 mA

### General Data

Insulation Resistance min.....	100 Mohms (at 500 VDC)
Dielectric Strength .....	750 VAC 1 minute (between open contacts) 1500 VAC 1 minute (between coil and contacts)
Operate Time .....	Max. 10 ms
Release Time .....	Max. 5 ms
Ambient Temperature.....	-40 to +70°C (no frost)
Shock Resistance.....	Misoperations: 100 m/s <sup>2</sup> Endurance: 1000 m/s <sup>2</sup>
Vibration Resistance.....	10 to 55 Hz at double amplitude of 1,5 mm
Life Expectancy .....	Mechanical 1 × 10 <sup>7</sup> ope. min. Electrical 1 × 10 <sup>5</sup> ope. min.
Weight .....	Approx. 10 gs

### Coil Table

Nominal Voltage VDC	Coil Resistance (Ohm) +/- 10% at 20°C	Operate Voltage (VDC) at 20°C (max.)	Release Voltage (VDC) at 20°C (min.)	Maximum Allowable Voltage at 20°C
3 V	25	2,25	0,3	3,9
5 V	70	3,75	0,5	6,5
6 V	100	4,5	0,6	7,8
9 V	225	6,75	0,9	11,7
12 V	400	9	1,2	15,6
18 V	900	13,5	1,8	23,4
24 V	1600	18	2,4	31,2
48 V	6400	36	4,8	52,4

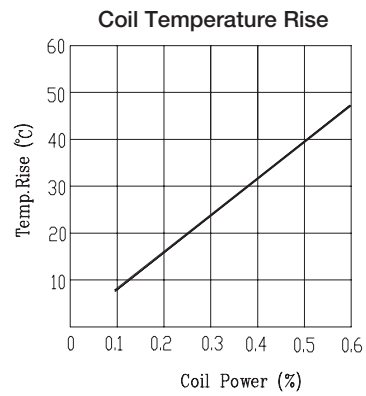
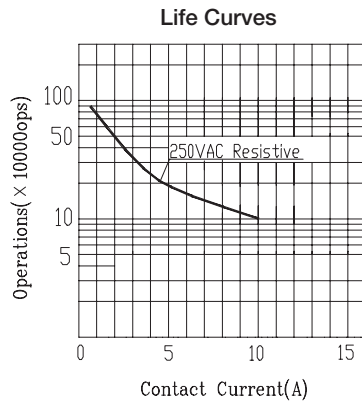
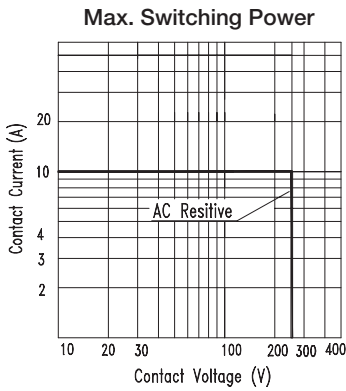


## Ordering Information: BZ / 012 - M

Nominal Coil Voltage  
Refer to coil table

Contact Arrangement  
Nil: 1 Form C  
M: 1 Form A  
B: 1 Form B

## Useful Curves



## Dimensions [in mm] Wiring Diagram [bottom view] PC Board Layout [bottom view]

