



BZC Relay



Features

- cubic power relay up to 12 A
- small dimensions
- low cost type

Contact Data

Contact Arrangement	1 Form A / 1 Form B / 1 Form C
Contact Material.....	AgSnO ₂
Contact Rating	7A: 250 VAC/ 10A: 24 VDC
Switching current max.	12A
Switching voltage max.	250 VAC / 24 VDC
Switching power max.....	1750 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.....	Misoperation 100 m/s ² Endurance 1000 m/s ²
Vibration Resistance.....	10 to 55 Hz at double amplitude of 1,5 mm
Life Expectancy.....	Mechanical 1 × 10 ⁷ ope.min. Electrical 1 × 10 ⁵ ope. min.
Weight	Approx. 10 gs

Coil Table

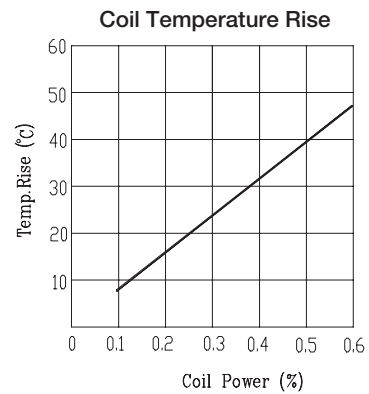
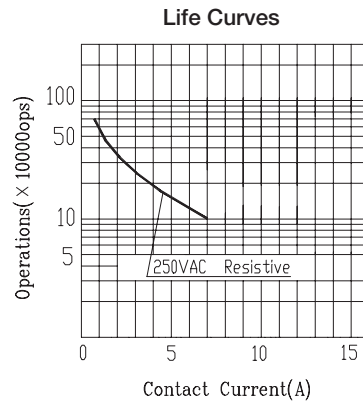
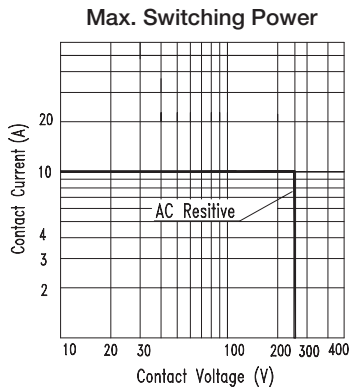
Nominal Voltage VDC	Coil Resistance (Ohm) +/- 10% at 20°C	Operate Voltage (VDC) at 20°C (max.)	Release Voltage (VDC) at 20°C (min.)	Maximum Allowable Voltage at 20°C
3 V	25	2,25	0,3	3,9
5 V	70	3,75	0,5	6,5
6 V	100	4,5	0,6	7,8
9 V	225	6,75	0,9	11,7
12 V	400	9	1,2	15,6
18 V	900	13,5	1,8	23,4
24 V	1600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

■ Ordering Information: **BZC / 12 - M**

Nominal Coil Voltage
Refer to coil table

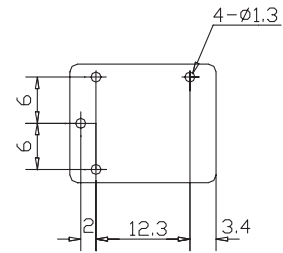
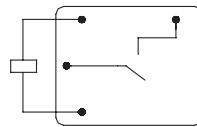
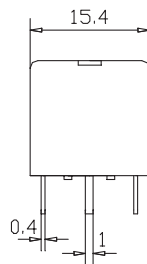
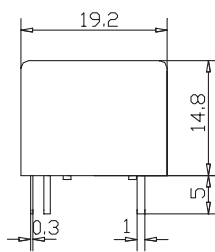
Contact Arrangement
Nil: 1 Form C
M: 1 Form A
B: 1 Form B

■ Useful Curves



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

1 Form A



1 Form C

