HANDOUK

BC3

►FEATURES

● DIL Pitch Terminals .High Sensitivity.
● Dielectric 1000VAC.
● Fully sealed (immer1sion clearable).
● High Reliability bifurcated Contact.
● Application for
  Telecommunication Equipment.
  Office Equipment, Security Alarm Systems.
  Measuring instruments.
  Medical Monitoring Equipment. etc.

►CONTACT DATA

Contact Arrangement	2C（Bifurcated Crossbar）	
Contact Material	Ag + Au	AgNi + Au
Contact Rating (resistive)	1A/24VDC; 0.5A/120VAC	1A 120VAC, 2A 24VDC
Min. Switching load	0.01mA/10mV（Reference Value）	
Max. Switching Current	2A	
Max. Switching Power	60W 120VA	
Max. Switching Voltage	60VDC 240VAC	
Contact Resistance or Voltage drop	≤100mΩ	
Operation life	Electrical	1 x 10^5 at 30 Operations per minute
	Mechanical	1 x 10^7 at 60 Operations per minute

CAUTION: Relays previously tested or used above 10mA resistive at 6VDC maximum or peak AC open circuit are not recommended for subsequent use in law level applications.

►COIL PARAMETER

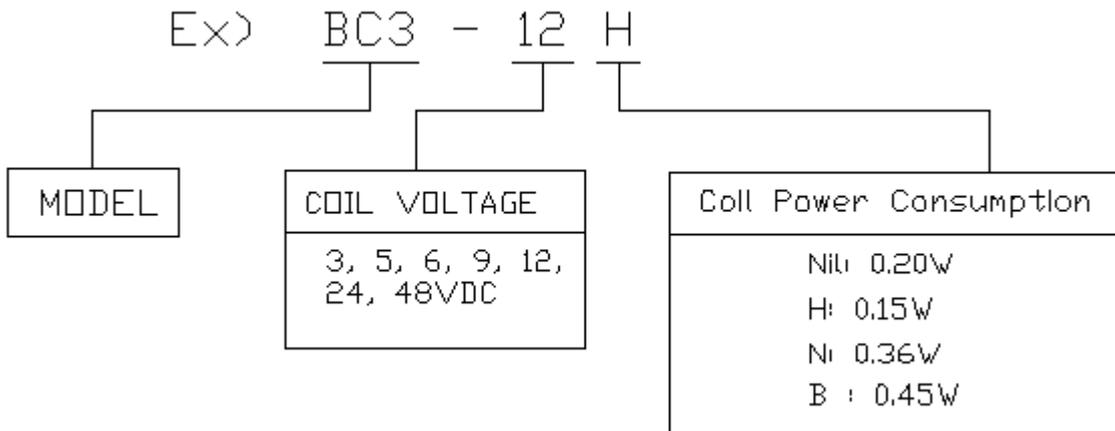| Coil voltage (VDC)	Coil resistance (Ω±10%)				Pickup voltage(max) (VDC)	release voltage(min) (VDC)	Applicable Voltage(Max) (VDC)
	0.15W	0.2W	0.36W	0.45W			
3	60	45	25	20	2.25	0.3	3.9
5	167	125	70	56	3.75	0.5	6.5
6	240	180	100	80	4.5	0.6	7.8
9	540	405	220	180	6.75	0.9	11.7
12	960	720	400	320	9	1.2	15.6
24		2800	1600	1280	18	2.4	31.2
48			6400±15%	5100±15%	36	4.8	62.4

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

2.Pickup and release voltage are for test purposes only and are not to be used as design criteria.
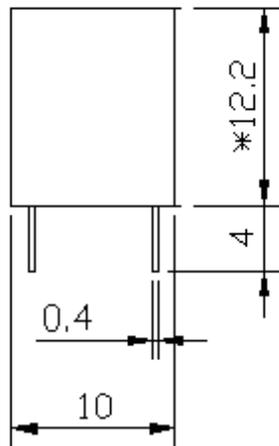
►OPERATION CONDITION

Insulation Resistance		100MΩ Min at 500VDC
Dielectric Strength	Open Contacts	500 for one minute,　750 VAC for one second
	Contact and Coil	1,000 for one minute ,　1,250 VAC for one second
Operate Time		6ms
Release Time		4ms
Temperature Range		-30℃ to + 70 ℃
Shock Resistance	Operating Extremes	10G
	Damage Limits	50G
Vibration resistance		10~55Hz Double amplitude 1.5mm
Humidity		40 – 85%
Weight		Approx. 5g

►ORDERING INFORMATION

Ex)　BC3　－　12　H

| MODEL |

| COIL VOLTAGE |
| 3, 5, 6, 9, 12, 24, 48VDC |

| Coil Power Consumption |
| Nil: 0.20W |
| H: 0.15W |
| N: 0.36W |
| B : 0.45W |

►DIMENSIONS   (UNIT: MM)

Dimensions   **Wiring diagram (Bottom view)**

*12.2

4

0.4

10

*12.2

0.8

*21

*(1)11. 8 ×20. 3   (2)12. 2×21

8-⌀0.8   1.09

7.62

7.62 5.08 5.08   1.2

| 1 | 4 | 6 | 8 |
| 16 | 13 | 11 | 9 |
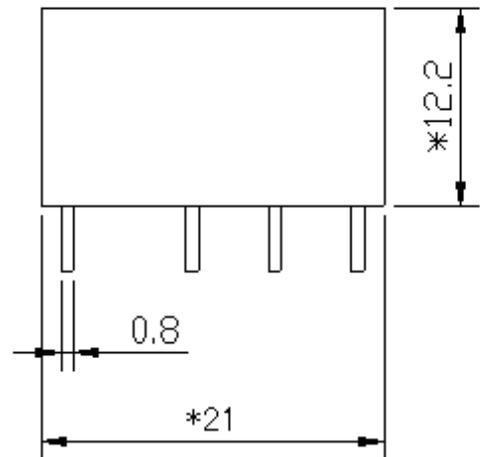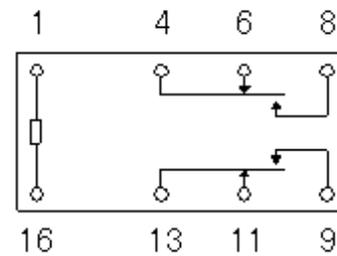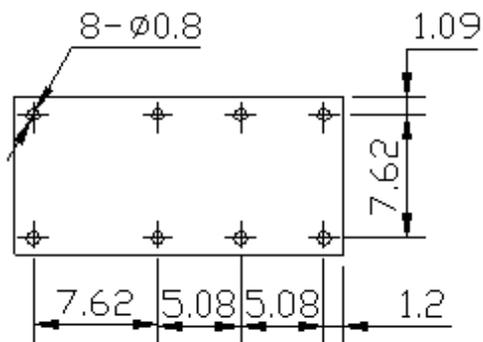
NOTES 1).Dimensions are in millimeter.
       2).Inch equivalents are given for general information only.