

DIL Pitch Terminals . High Sensitivity. Dielectric Strength 1000VAC Fully sealed. High Reliability Bifurcated Contact.		
	BC3 Relays	

1. Contact Data

Contact arrangement	2C (Bifurcated Crossbar)	
Contact material	Silver alloy	
Contact rating(Resistive)	1A 120VAC, 2A 24VDC (Resistive load cos phi = 1)	
Switching power(Max.)	60W 120VA	
Switching Voltage(Max.)	60VDC 240VAC	
Contact resistance(Max.)	100mΩ max. at 6VDC 1Ampare	
Max. Switching Current	2A	
Min. switching load	1mA/5Vdc (Reference Value)	
Operation Life	Electrical	1×10 ⁵ at 30 Operations per minute
	Mechanical	1 x 10 ⁷ at 30 Operations per minute

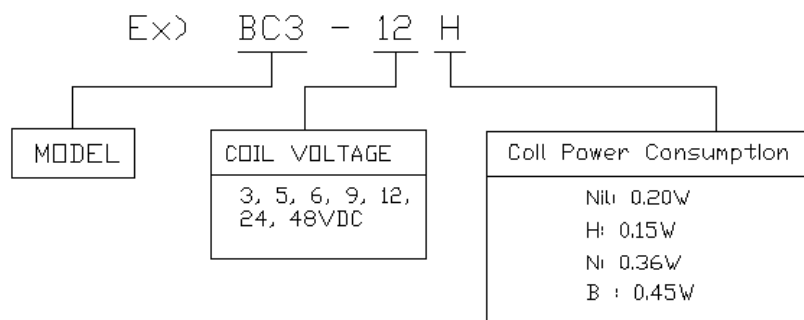
2. General Data

Insulation Resistance	100MΩ Min at 500VDC	
Operate time (nominal voltage)	Max. 8ms	
Release time (nominal voltage)	Max. 4ms	
Dielectric strength	Coil and contacts	1,000VAC for one minute, 1,250 for one second
	Between contacts	500VAC for one minute, 750 for one second
Shock resistance	Functional	10G
	Destructive	50G
Vibration resistance	10~55Hz Double amplitude 1.5mm	
Ambient temperature	-30~+85C	
Humidity	40 - 85%	
Weight (about)	5g	
Safety Standard	UL E197546	

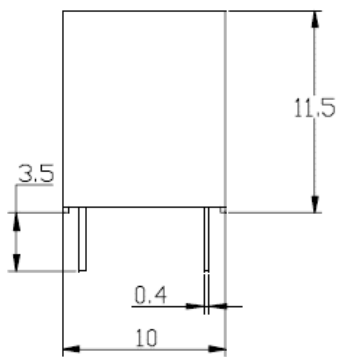
3. Coil Data

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	0.15W	0.2,0.36,0.45W	0.15W	0.2,0.36,0.45W	
3	60	45	25	20	2.4	0.5	0.15	0.3	3.9
5	167	125	70	56	4	0.6	0.25	0.5	6.5
6	240	180	100	80	4.8	0.9	0.3	0.6	7.8
9	540	405	220	180	7.2	1.2	0.45	0.9	11.7
12	960	720	400	320	9.6	2.4	0.6	1.2	15.6
24	3,840	2,800	1,600	1,280	19.2	4.8	1.2	2.4	31.2
48			6,400±15%	5,100±15%		36		4.8	62.4

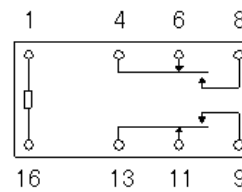
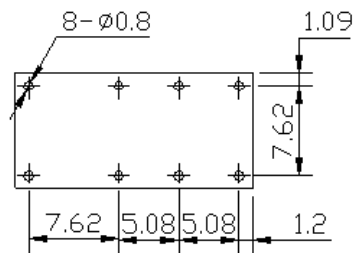
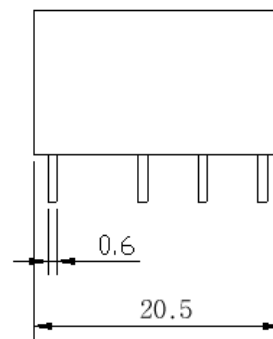
4. Ordering Code



5. Overall And Mounting Dimensions



(Bottom View)



tolerance : under 1mm = ± 0.2 mm, 1mm~5mm = ± 0.3 mm

over 5mm = ± 0.4 mm, PCB hole = 0.1mm