



Patent:

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
BAN 1A.....40A 14VDC
1C.....NO: 40A 14VDC
NC: 30A 14VDC
- Max. Allowable Current
BAN.....40A
- Max. Allowable Voltage
BAN.....AC250V
DC60V
- Max. Allowable Power Force
BAN.....480W
- Contact Material..... Ag Alloy
- Contact Form.....SPST

Performance (at Initial Value)

- Contact Resistance.....100m Ω Max. @1A, 6VDC
- Operate Time.....10msec. Max.
- Release Time..... 10msec. Max.
- Dielectric Strength:
Between Coil & Contact.....1200VAC at 50 Hz
for one minute
Between Contacts.....750VAC at 50 Hz
for one minute
- Surge Resistance.....10,000V (between Coil
& Contact 1.2x50 μ s)
- Insulation Resistance.....1,000 Mega Ω Min. at
500VDC

Main Feature

1. Miniature relay with high power: max. switching capability 40A.
2. Low coil power consumption with excellent performance.
3. Both sealed and open types available.
4. Class H coil available.

Application

Car Control Switching Box (Car Alarm, Center door lock system, Blinkers, ... etc.)

- Max. On/Off Switching:
Electrical.....20 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range..... - 40~85 $^{\circ}$ C
- Humidity Range..... 95% at 20 $^{\circ}$ C
- Coil Temperature Rise..... 35 $^{\circ}$ C Maximum
- Vibration:
Endurance.....10 to 55 Hz dual
amplitude width 1.5mm
Error Operation.....10 to 55 Hz dual
amplitude width 1.5mm
- Shock:
Endurance..... 981m/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Electrical.....10⁵ Operations at
Rated Resistive load
Mechanical.....10⁷ Operations at
No load condition
- Weight.....about 20g

Safety Standard & Its File Number

- NIL

Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 8\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
BPH-LM	6	315.7	19	Abt. 1.59	75% Maximum	5% Minimum	160%
	12	133.3	90				
	24	66.2	362				
	36	44	816				
	48	33	1450				

Ordering Information

BAN - SS - 1 12 D M U

**Terminal Size: E: Europe Version
U: U.S.A Version**

**Contact Form: M: One form A
B: One form B
Nil: One fore C**

**Coil Type: D:Standard DC Coil
L:High Sensitivity DC Coil**

Coil Voltage: 06:6V, 12:12V,24:24V,48:48V

Number of Pole: 1:One Pole

Type of Sealing: SS:Plastic Sealed Type

Type: BAN

Dimension

