

# BA1

## ► FEATURES

- Most small size, Low Cost
- SPDT configurations
- PCB mounting, DIP package



## ► CONTACT DATA

|                            |                                                |
|----------------------------|------------------------------------------------|
| Contact Arrangement        | 1 C ( 1 Form C )                               |
| Contact Material           | Ag + Au                                        |
| Contact Rating (resistive) | 0.5A 125VAC, 1A 24VDC                          |
| Max Switching Voltage      | 125VAC / 60VDC                                 |
| Max Switching Current      | 1A                                             |
| Max Switching Power        | 62.5VA / 30W                                   |
| Contact Resistance         | 100mΩ Max at 6VDC 1A                           |
| Life Expectancy Electrical | 100,000 Operations ( at30 Operations / minute) |

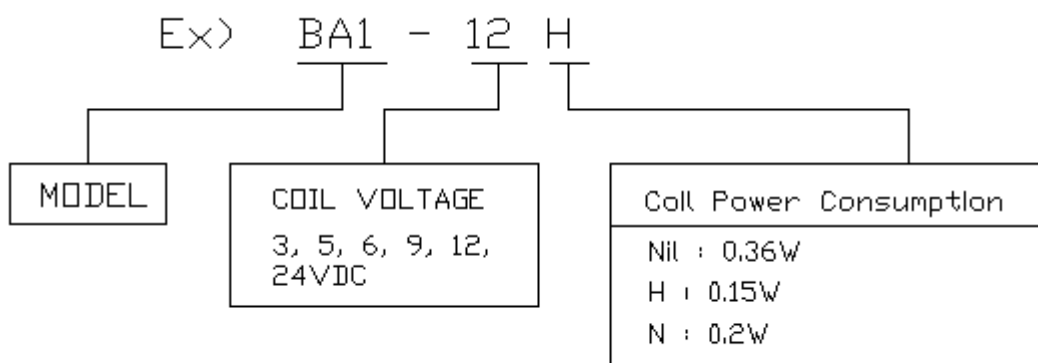
## ► GENERAL DATA

|                      |                    |                                   |
|----------------------|--------------------|-----------------------------------|
| Resistance           |                    | 100MΩ Min. at 500VDC              |
| Dielectric Strength  | Open Contacts      | 400VAC (for one minute)           |
|                      | Contacts and coil  | 1000VAC (for one minute)          |
| Operate Time         |                    | 5ms Max                           |
| Release Time         |                    | 5ms Max                           |
| Temperature Range    |                    | -30°C ~ +70°C                     |
| Shock Resistance     | Operating Extremes | 10G                               |
|                      | Damage Limits      | 100G                              |
| Vibration Resistance |                    | 10-55Hz Double amplitude of 2.0mm |
| Humidity             |                    | 35%-85%RH                         |
| Weight               |                    | Approx 2.2g                       |
| Safety Standard      |                    | <u>UL E197546</u>                 |

## ► COIL DATA

| Coil voltage (VDC) | Coil Resistance at 20°C |      |       | Pick-up Voltage Max |      |       | Drop-out Voltage Min | Applicable Voltage Max |
|--------------------|-------------------------|------|-------|---------------------|------|-------|----------------------|------------------------|
|                    | 0.36W                   | 0.2W | 0.15W | 0.36W               | 0.2W | 0.15W |                      |                        |
| 3                  | 25                      | 45   | 60    | 2.1                 | 2.25 | 2.4   | 0.3                  | 3.9                    |
| 5                  | 69.4                    | 125  | 167   | 3.5                 | 3.75 | 4.0   | 0.5                  | 6.5                    |
| 6                  | 100                     | 180  | 240   | 4.2                 | 4.5  | 4.8   | 0.6                  | 7.8                    |
| 9                  | 225                     | 405  | 540   | 6.3                 | 6.75 | 7.2   | 0.9                  | 11.7                   |
| 12                 | 400                     | 720  | 960   | 8.4                 | 9    | 9.6   | 1.2                  | 15.6                   |
| 24                 | 1600                    | 2880 | 3840  | 16.8                | 18   | 19.2  | 2.4                  | 31.2                   |

## ► ORDERING INFORMATION



## ► DIMENSIONS (UNIT: MM)

