

## FEATURES

- Contact rated load up to 30A/12VDC.
- Multiple choices for cover type.
- Fit to standard wiring harnesses socket.
- Coil enable parallel resistance reduces the operating power.
- Application for air condition control, halogen head lamp control, horn control, fog lamp control, etc.



## CONTACT RATINGS

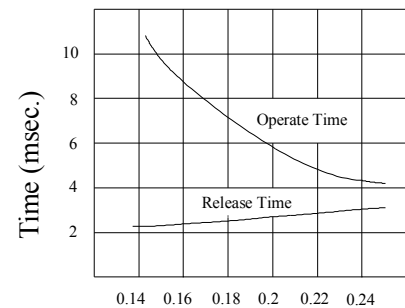
- Contact Arrangement .....1 Form A (SPST-NO)
- Max. Switching Power.....360W
- Max. Switching Voltage.....75VDC
- Max. Switching Current.....30A
- Contact Resistance..... $\leq 50m\Omega$
- Rating Load.....30A/12VDC
- Contact Material .....Ag Alloy

## CHARACTERISTICS

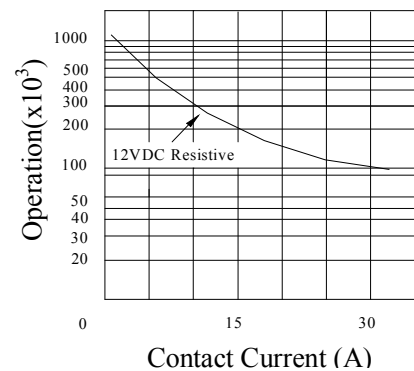
- Electrical life..... $1 \times 10^5$
- Mechanical life..... $1 \times 10^7$
- Initial Insulation Resistance  
.....Min. 50M $\Omega$  500VDC
- Contact Resistance (Initial)..... $\leq 500M\Omega$
- Operate Time..... $\leq 10ms$
- Release Time..... $\leq 10ms$
- Initial Dielectric Strength  
.....50/60Hz 500VAC 1min. (between open contacts)  
.....50/60Hz 500VAC 1min. (between contacts and coil)
- Vibration Resistance  
.....Malfunction: 10 to 55Hz at Double Amplitude of 2.0mm  
.....Destructive: 10 to 55Hz at Double Amplitude of 1.5mm
- Shock Resistance  
.....Malfunction: 10G (11ms) / Destructive: 100G (6ms)
- Ambient Temperature.....-30 $^{\circ}C \sim +85^{\circ}C$
- Unit Weight.....Approx. 35g

## Y15 Referential Data

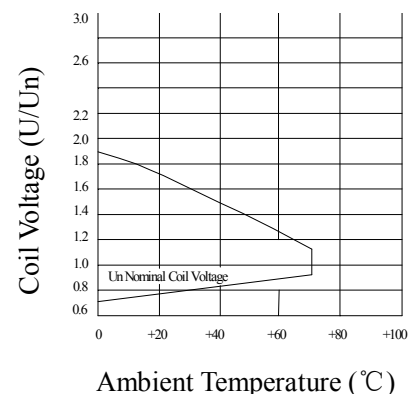
### Timing



### Life Curves



### Coil Operating Range DC



## ORDERING INFORMATION

Y15 H- 1A -12 D A M  
 1 2 3 4 5 6 7

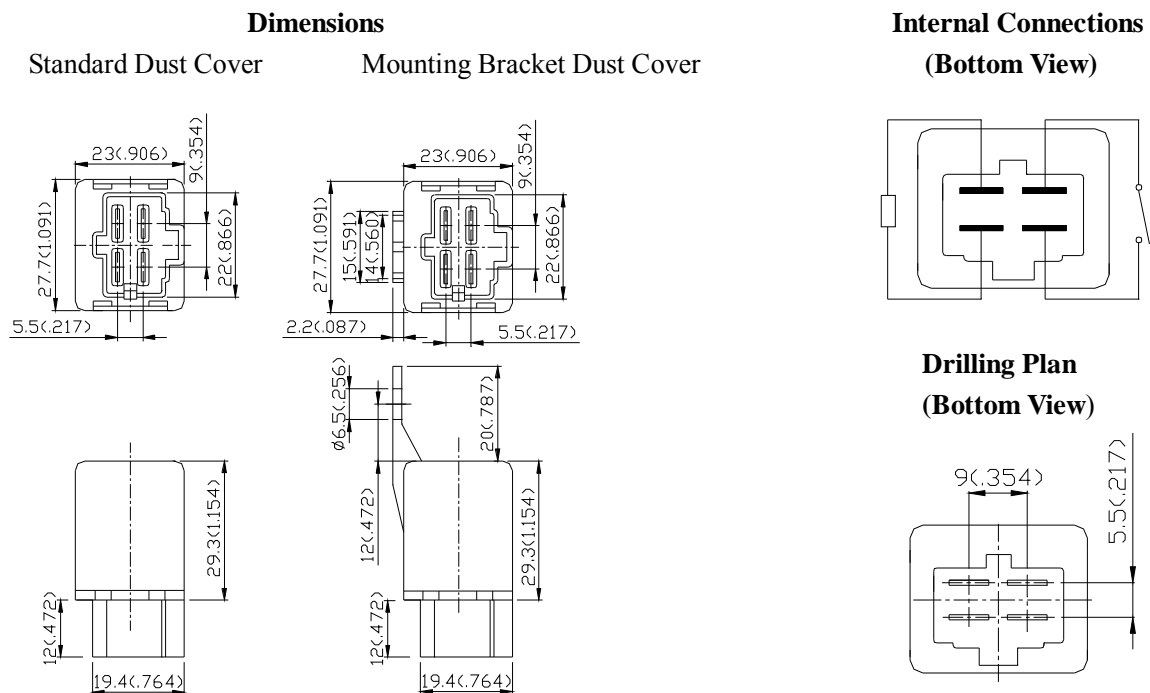
Dust Cover Type.....Nil = Standard Dust Cover  
 .....M = Mounting Bracket Dust Cover  
 Dust Cover Material.....Nil = Plastic Dust Cover  
 .....A = Metal Dust Cover  
 Coil Type.....D: DC  
 Coil Voltage..... 12, 24V  
 Contact Arrangement.....1A = 1 Form A (SPST-NO)  
 Coil Sensitivity.....Nil = 1.8W (Standard Type)  
 .....H = 1.44W (High Sensitive Type)  
 Model Number.....Y15

## COIL RATINGS (at 20°C)

| COIL TYPE            | Coil Nominal Voltage (V) | Coil Resistance ( $\Omega \pm 10\%$ ) | Pick-Up Voltage (V)<br>$\leq$ | Drop-Out Voltage (V)<br>$\geq$ | Nominal Current (mA) |
|----------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------------|----------------------|
| Standard Coils       | 12                       | 80                                    | 7.8                           | 1.2                            | 150                  |
|                      | 24                       | 320                                   | 15.6                          | 2.4                            | 75                   |
| High Sensitive Coils | 12                       | 100                                   | 8.4                           | 1.2                            | 120                  |
|                      | 24                       | 400                                   | 16.8                          | 2.4                            | 60                   |

\*Max Continuous Voltage at 20°C: 110% of Coil Nominal Voltage.

## OUTLINE DIMENSIONS



REMARK: Tolerance of outline dimensions:  $\pm 0.2(008)$ .

UNIT: mm (inch)