

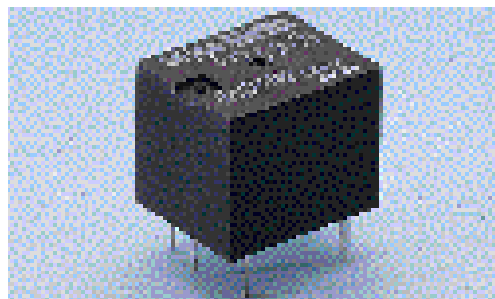
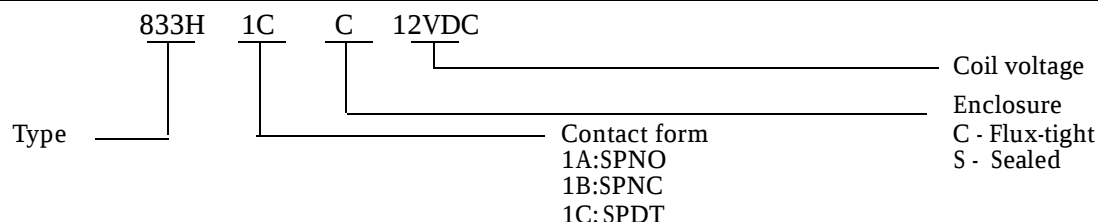
833H



Relay

**FEATURES**

- Sub-Miniature, 7-10 amps
- UL, CSA & TUV
- Flux-tight or Sealed
- Low cost, medium-duty applications

**ORDERING INFORMATION****SAFETY APPROVAL**

| Certified | UL     | CUR    | TUV      |
|-----------|--------|--------|----------|
| File No.  | E74321 | E74321 | R9754206 |

**SAFETY APPROVAL RATING**

|  | UL              | CUR             | TUV           |
|--|-----------------|-----------------|---------------|
|  | 10A 125VAC      | 10A 125VAC      | 7A 250V~(AC)  |
|  | 7A 277VAC/30VDC | 7A 277VAC/30VDC | 12A 125V~(AC) |
|  |                 |                 | 7A 30V =(DC)  |

**COIL DATA (DC)**

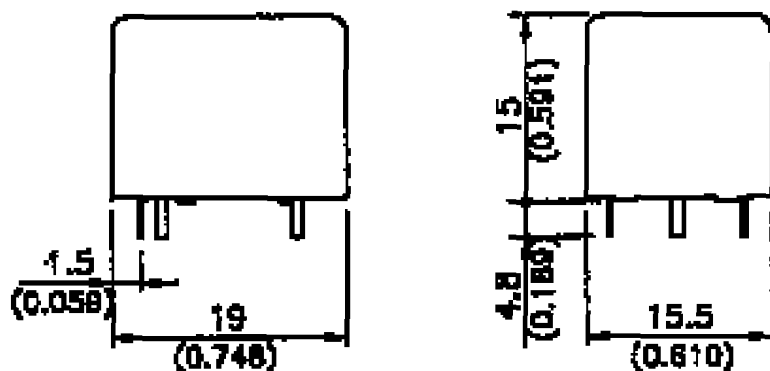
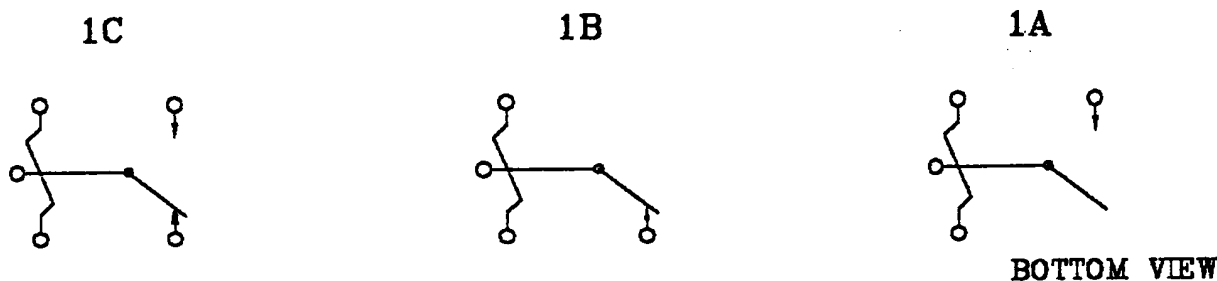
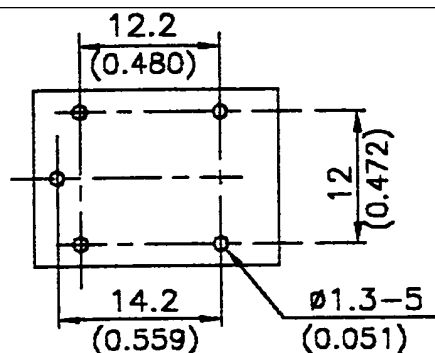
| Rated voltage (V) | Rated current $\pm 10\%$ at 25° (mA) | Coil resistance $\pm 10\%$ at 25° ( $\Omega$ ) | Max. continuous voltage 25°C | Pick up voltage (Max) 25°C | Drop out voltage (Min) 25°C | Power consumption at rated voltage |
|-------------------|--------------------------------------|------------------------------------------------|------------------------------|----------------------------|-----------------------------|------------------------------------|
| 3                 | 120                                  | 25                                             |                              |                            |                             |                                    |
| 4                 | 91                                   | 44                                             |                              |                            |                             |                                    |
| 5                 | 72                                   | 70                                             |                              |                            |                             |                                    |
| 6                 | 60                                   | 100                                            |                              |                            |                             |                                    |
| 9                 | 40                                   | 225                                            |                              |                            |                             |                                    |
| 12                | 30                                   | 400                                            |                              |                            |                             |                                    |
| 24                | 15                                   | 1600                                           |                              |                            |                             |                                    |
| 48                | 9.4                                  | 5,120                                          |                              |                            |                             |                                    |
|                   |                                      |                                                | 130% of rated voltage        | 75% of rated voltage       | 10% of rated voltage        | approx. 0.36W                      |
|                   |                                      |                                                |                              |                            |                             | approx. 0.45W                      |

**SPECIFICATION**

|                       |                                   |                           |
|-----------------------|-----------------------------------|---------------------------|
| Contact resistance    | 100m $\Omega$ Max.(initial value) |                           |
| Operate time          | 10ms                              |                           |
| Release time          | 5ms                               |                           |
| Insulation resistance | 100M $\Omega$ Min.(DC 500V)       |                           |
| Dielectric strength   | Between open contact              | AC 750V, 50/60Hz 1 min.   |
|                       | Between contact and coil          | AC 1500V, 50/60Hz 1min.   |
| Vibration resistance  | Operating extremes                | 10~50Hz, amplitude 1.5mm  |
|                       | Damage limits                     | >10~50Hz, amplitude 1.5mm |
| Shock resistance      | Operating extremes                | >10G                      |

**SPECIFICATION**

|                       |                            |                                                            |
|-----------------------|----------------------------|------------------------------------------------------------|
| Shock resistance      | Operating extremes         | >10G                                                       |
|                       | Damage limits              | >100G                                                      |
| Life expectancy       | Mechanical                 | >10,000,000 operations<br>(frequency 18,000 operations/hr) |
|                       | Electrical                 | >100,000 operations<br>(frequency 1,200 operations/hr)     |
| Operating temperature | -30° ~ +70°C (no freezing) |                                                            |
| Weight                | Approx.10g                 |                                                            |

**OUTLINE DIMENSIONS**TOLERANCE:  $\pm 0.3(0.012)$ **WIRING DIAGRAM****PC BOARD LAYOUT****BOTTOM VIEW** 19