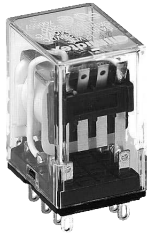


# GENERAL PURPOSE RELAY

## TYPE 156



### FEATURES:

- High reliability / Long life.
- AC & DC coil.
- Epoxy sealed type available.
- Multiple options available.
- Contact rating 5A @ 240VAC resistive load.
- PCB mount and plug-in..

## TYPE 156



| CONTACT RATING |           |           |
|----------------|-----------|-----------|
| Type           | 2 Pole    | 4 Pole    |
| Resistive Load | 5A/28VDC  | 5A/28VDC  |
| General use    | 5A/240VAC | 5A/240VAC |

| COIL DATA (DC)    |                                 |                                  |                                 |                              |                               |                                    |
|-------------------|---------------------------------|----------------------------------|---------------------------------|------------------------------|-------------------------------|------------------------------------|
| Rated Voltage (V) | Rated Current ±10% at 25°C (mA) | Coil Resistance ±10% at 25°C (Ω) | Max. Continuous Voltage at 25°C | Pickup Voltage (Max) at 25°C | Dropout Voltage (Min) at 25°C | Power Consumption at Rated Voltage |
| 6                 | 150                             | 40                               | 110% of rated voltage           | 75% of rated voltage         | 10% of rated voltage          | Approx. 0.9 W                      |
| 12                | 75                              | 160                              |                                 |                              |                               |                                    |
| 24                | 37                              | 650                              |                                 |                              |                               |                                    |
| 48                | 19                              | 2600                             |                                 |                              |                               |                                    |
| 110               | 10                              | 11000                            |                                 |                              |                               |                                    |

| COIL DATA (AC)    |                                  |                                 |                              |                               |                                    |
|-------------------|----------------------------------|---------------------------------|------------------------------|-------------------------------|------------------------------------|
| Rated Voltage (V) | Coil Resistance ±10% at 25°C (Ω) | Max. Continuous Voltage at 25°C | Pickup Voltage (Max) at 25°C | Dropout Voltage (Min) at 25°C | Power Consumption at Rated Voltage |
| 12                | 40                               | 110% of rated voltage           | 85% of rated voltage         | 30% of rated voltage          | Approx. 1.2 VA                     |
| 24                | 160                              |                                 |                              |                               |                                    |
| 240               | 3400                             |                                 |                              |                               |                                    |
| 220               | 13600                            |                                 |                              |                               |                                    |

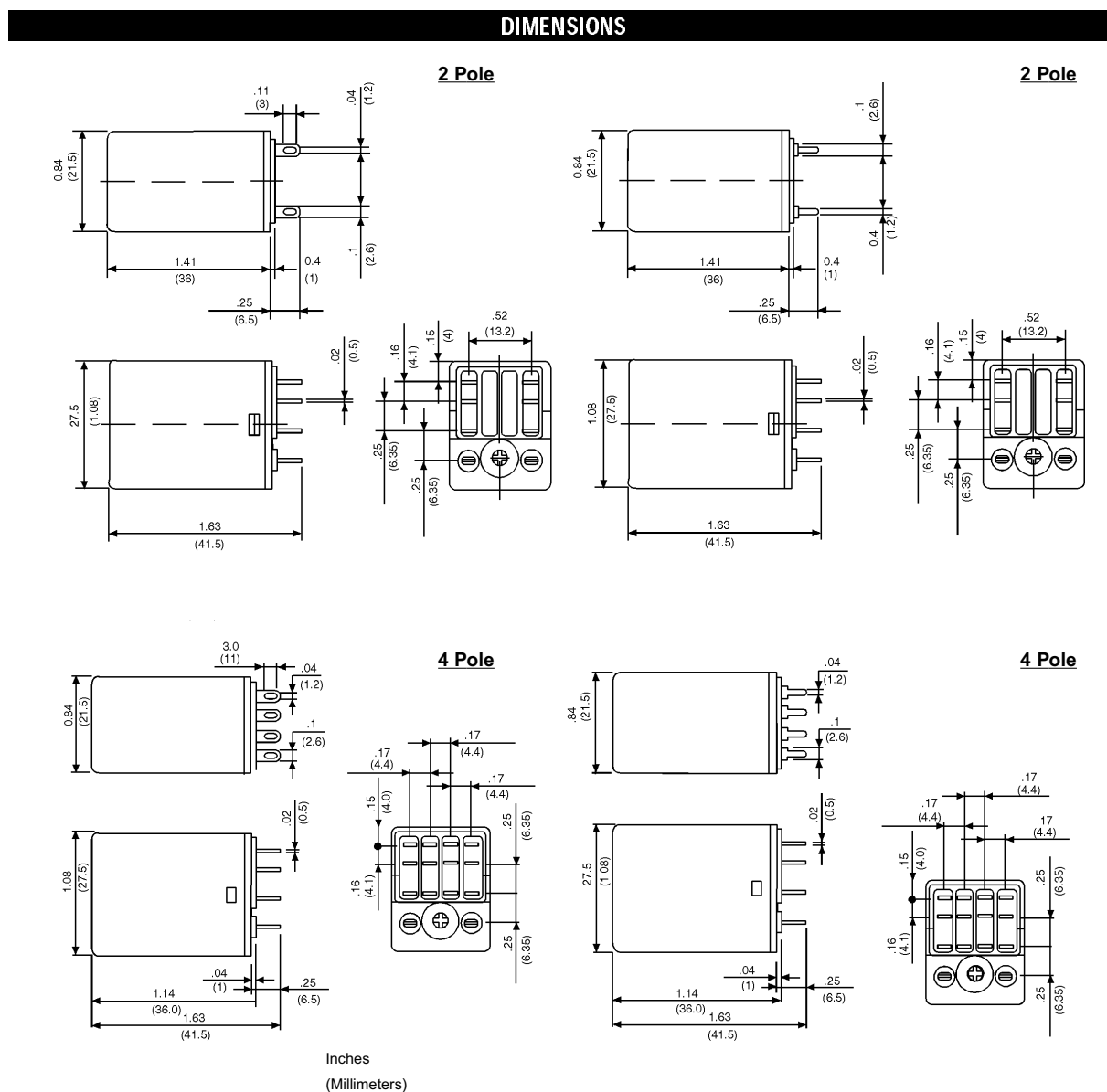
| PART NUMBERING SYSTEM |                                                                                                                                                                                                                           |                  |                                                                                                             |                                                                                             |                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Relay Type            | Enclosure & Terminals                                                                                                                                                                                                     | Contact Form     | Coil Voltage                                                                                                | Contact Material & Ratings                                                                  | Standard or Special                                                                                                   |
| 156                   | 1-Dust Cover/Solder Lug/3-48 Stud<br>2-Dust Cover/PCB<br>3-Dust Cover/Solder Lug/3-48 Stud/Sealed.*<br>5-Dust Cover/Solder Lug/Sealed*<br>6-Flanged Cover/Solder Lug<br>7-Dust Cover/PCB/Sealed<br><br>*Sealed, 4PDT only | 2-DPDT<br>4-4PDT | G-5VDC<br>A-6VDC<br>B-12VDC<br>C-24VDC<br>D-48VDC<br>F-110VDC<br>P-12VAC<br>Q-24VAC<br>T-120VAC<br>U-240VAC | 1-3/32" Silver (Gold Flash)<br>2-3/32" Silver Cadmium Oxide<br>7-3/32" Silver Gold Diffused | 00-Standard<br>C0-Push Button<br>LC-Lamp & Push Button<br>L0-Lamp Across Coil<br><br>Consult Factory For Any Specials |

Example: 156-14C200

**Stock item:** 156-12B200, 156-12C200, 156-12T200, 156-12Q200, 156-12U200, 156-14B200, 156-14C200, 156-14T200, 156-14Q200, 156-24B200, 156-24T200, 156-62B200, 156-62C200, 156-62T200, 156-62Q200.

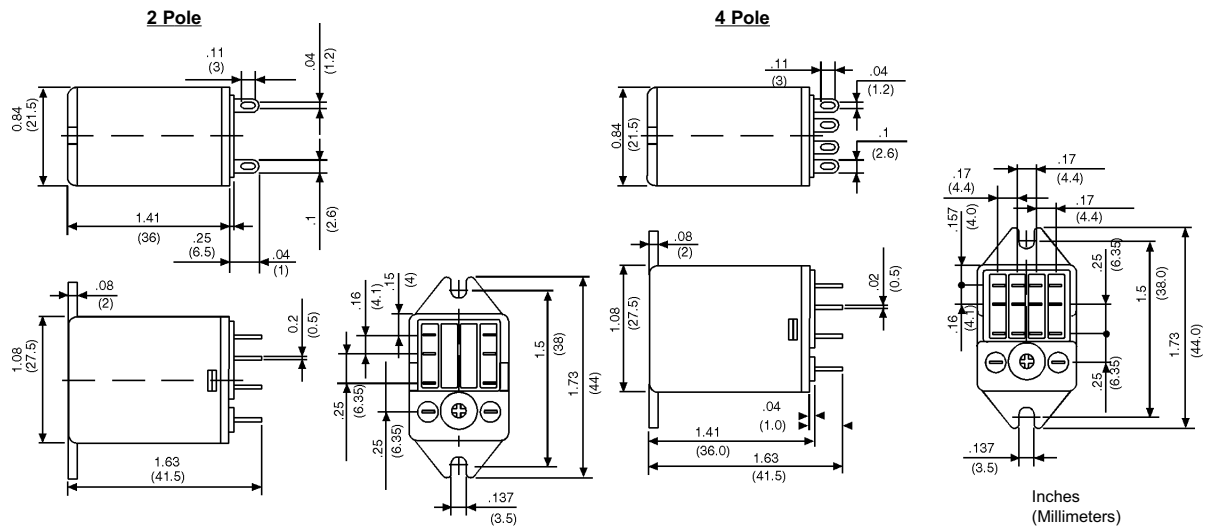
# TYPE 156

| SPECIFICATIONS                 |                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact resistance             | 50 m Max. (initial value)                                                                                                                                         |
| Operate time                   | 25 mS Max.                                                                                                                                                        |
| Release time                   | 25 mS Max.                                                                                                                                                        |
| Insulation resistance          | 100 M Min. (DC 500V)                                                                                                                                              |
| Dielectric strength            | Between open contact: AC 500V 50/60 Hz 1 minute.<br>Between contact and coil: AC1500V 50/60 Hz 1 minute.<br>Between contact circuits: AC 1500V 50/60 Hz 1 minute. |
| Vibration resistance           | Damage limits & Operating extremes:10~55 Hz, amplitude 1.0 mm                                                                                                     |
| Shock resistance               | Damage limits: 100g, Operating extremes:20g                                                                                                                       |
| Life expectancy for mechanical | 10,000,000 operations (frequency 18,000 operations/hr)                                                                                                            |
| Life expectancy for electrical | 100,000 operations (frequency 1,800 operations/hr)                                                                                                                |
| Operating temperature          | -25~+55 °C (no freezing)                                                                                                                                          |
| Weight                         | Approx. 35g                                                                                                                                                       |

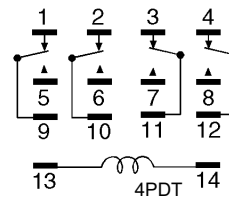
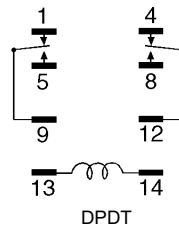


# TYPE 156

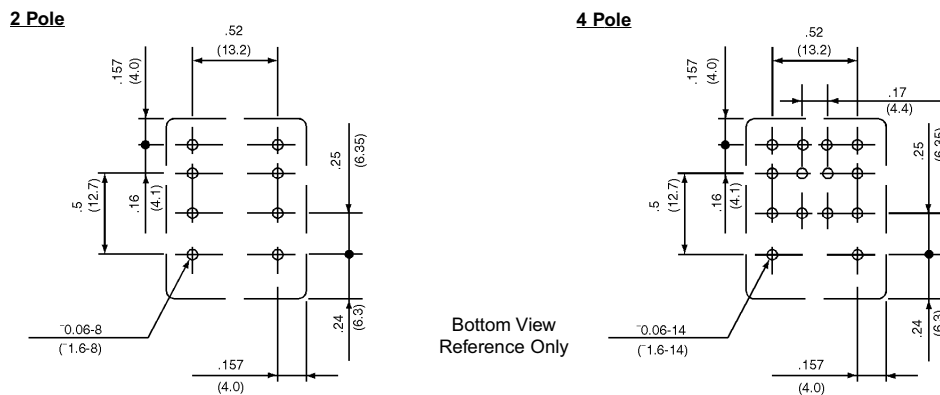
## DIMENSIONS ON FLANGED COVER



## WIRING



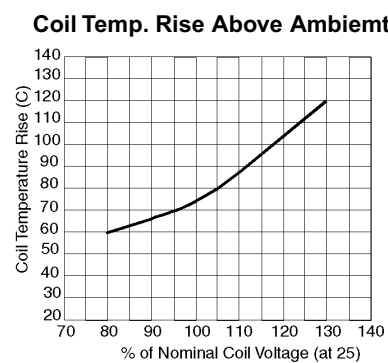
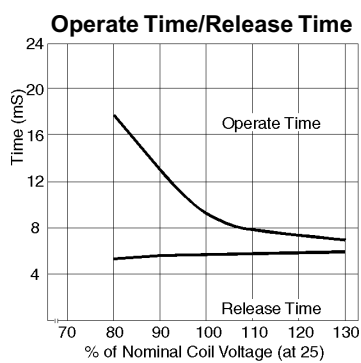
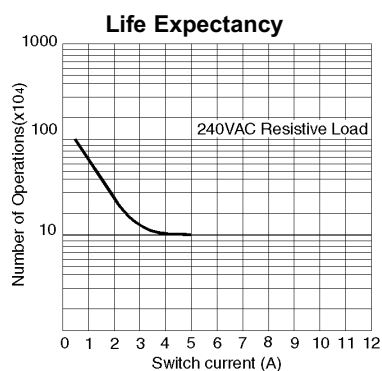
## PCB LAYOUT



See RELAY SOCKETS on page 50.  
See HOLD DOWN SPRINGS on page 53.

# TYPE 156

## CURVES



## SAFETY APPROVAL

| CERTIFIED | FILE NO. |
|-----------|----------|
| UL        | E557081  |
| CSA       | LR700557 |
| TUV       | 9452080  |