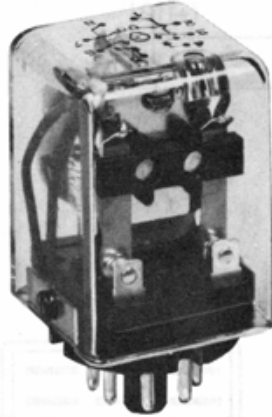


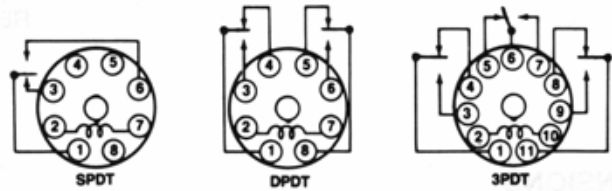
**General Purpose  
Enclosed Plug-In  
8 Pin (Octal) or 11 Pin Base  
5 Amp/10 Amp**

**General Information**

- Polycarbonate dust cover has low moisture absorption and high impact strength.
- Integral indicator light available.
- Polyurethane insulated magnet wire improves heat dissipation.
- Low level, gold diffused silver contacts optional.
- All standard configurations are recognized under the Component Program of U.L. Inc., File E39906. CSA certified by request only. File LR26861.



22 Series Enclosed Plug-In Relay



**Specifications**

<b>Insulating Material:</b>	Phenolic/polycarbonate
<b>Dust Cover:</b>	Clear polycarbonate
<b>Coil Bobbin Material:</b>	Nylon
<b>Coil Winding:</b>	Polyurethane insulated magnet wire
<b>Insulation Resistance:</b>	100 Megohms minimum
<b>Dielectric Strength:</b>	500 Volts R.M.S. 60 Hz between open contacts. 1500 volts R.M.S. 60 Hz between all elements.
<b>Temperature Range:</b>	
<b>D.C.:</b>	-55° to +85°C (-67° to +185°F)
<b>A.C.:</b>	-55° to +72°C (-67° to +161°F)
<b>Life Expectancy:</b>	
<b>Mechanical:</b>	In excess of 20 million operations
<b>Electrical:</b>	100,000 minimum at full rated load
<b>Pull-in Speed:</b>	12 milliseconds typical (including bounce)
<b>Drop-out Speed:</b>	10 milliseconds typical (including bounce)
<b>Duty Cycle:</b>	Continuous
<b>Weight:</b>	Approximately 3 oz. (85 Gr.) all models

**Coil Specifications  
A.C. Coils**

Rated Voltage 50/60Hz	1 and 2 Pole		3 Pole		Must Operate Volts Max.
	DC Res. (Ohms) ± 10%	Average Current MA.* (60Hz)	DC Res. (Ohms) ± 10%	Average Current MA.* (60Hz)	
6	5	367	4.2	500	4.8
12	27	183	16.5	250	9.6
24	90	91.7	66	125	19
120	2250	18.3	1680	25	96
240	9100	9.2	6640	12.5	192

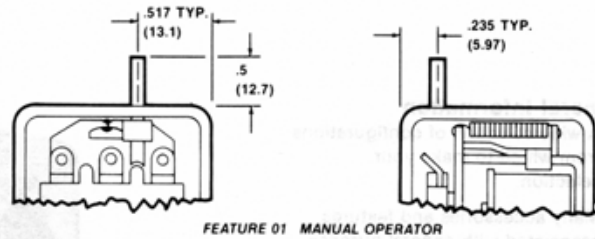
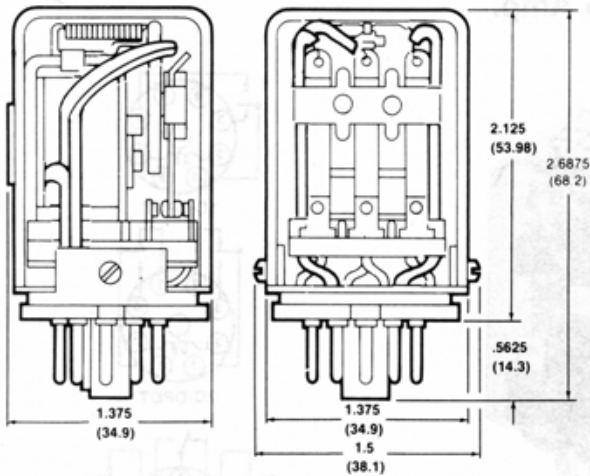
**D.C. Coils**

Rated Voltage 50/60Hz	1 and 2 Pole		3 Pole		Must Operate Volts Max.
	DC Res. (Ohms) ± 10%	Average Current MA.* (60Hz)	DC Res. (Ohms) ± 10%	Average Current MA.* (60Hz)	
6	30	200	24	250	4.5
12	120	100	96	125	9
24	480	50	380	62.5	18
48	1920	25	1530	31.3	36
110	10100	10.9	8050	13.6	82

\* Average current values do not include indicating light current draw (Feature 02).

**Contact Rating**

Materials	Rating
Fine Silver	5 Amp, 28 VDC (resistive)
Gold Flashed (Ag)	5 Amp, 250 VAC, 125 VA, 120 VAC 1/10 HP, 125 VAC, 240 VA, 240 VAC 1/4 HP, 250 VAC
Silver Cadmium Oxide (AgCdO)	10 Amp, 28 VDC (resistive) 10 Amp, 250 VAC, 125 VA, 120 VAC 1/4 HP, 125 VAC, 240 VA, 250 VAC 1/3 HP, 250 VAC
Fine Silver Gold Diffused (AuAg)	Low level applications (Specify Feature 07)



FEATURE 01 MANUAL OPERATOR

	Sockets	Retainers
1C	60SR2P05	60SR3B02F1
2C	60SR2P06	60SR3B02F1
	60SR2P51	60SR2P51F1
3C	60SR3P05	60SR3B02F1
	60SR3P06	60SR3B02F1
	60SR3P51	60SR2P51F1

**22 Series  
Ordering Information**

**22P 1C A 120 02**

**Relay Type**

- 22P** General Purpose, enclosed, plug-in  
Heat treated fine silver,  
gold flashed 5 amp contacts.
- 22Q** General Purpose, enclosed, plug-in  
silver cadmium oxide 10 Amp contacts

**Contact Forms**

- 1C** - SPDT
- 2C** - DPDT
- 3C** - 3PDT

**Coil Voltage Type**

- A** - Alternating Current
- D** - Direct Current

**Features**

(More than one feature may be specified.)

- BLANK** - Standard relay
- 01** - Manual (push-to-test) operator
- 02** - Indicating light (except 48 volt)

**Rated Voltages**

- 006** - 6 Volts (AC or DC)
- 012** - 12 Volts (AC or DC)
- 024** - 24 Volts (AC or DC)
- 048** - 48 Volts D.C.
- 110** - 110 Volts D.C.
- 120** - 120 Volts A.C.
- 240** - 240 Volts A.C.