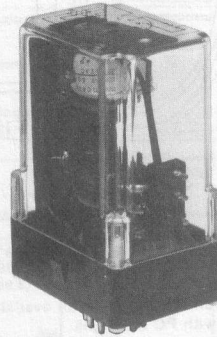


**Mechanical Latch  
Enclosed, Plug-In  
5 Amp/10 Amp**



27 Series, Enclosed Plug-In

**General Information**

- Polyurethane insulated magnet wire improves heat dissipation.
- Low level, gold diffused silver contacts optional.
- Acetal latch members, both series, have excellent dimension stability, low moisture absorption and near infinite wear.
- Series 27P and 27Q relays only include polycarbonate dust cover with low moisture absorption and high impact strength. They are mounted on a phenolic base for dimensional and physical stability.
- One and two pole relays are recognized under the Components Program of U.L. Inc., File E39906. 27P, one and two pole are CSA certified by request only. File LR26861.

**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>27P and 27Q:</b>	
<b>D.C.:</b>	-55° to +70°C (-67° to +158°F)
<b>A.C.:</b>	-55° to +60°C (-67° to +140°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>Duty Cycle:</b>	Continuous (one coil energized only)
<b>Weight:</b>	6.7 oz. (190 Gr.)

**Coil Specifications  
A.C. Coils**

Rated Voltage 50/60 Hz	DC Resistance (Ohms) ±10%	Average Current (MA) (60 Hz)	Must Operate Volts Max.
12	13	333	9.6
24	58	167	19
120	1220	33	96
240	5000	17	192

**D.C. Coils**

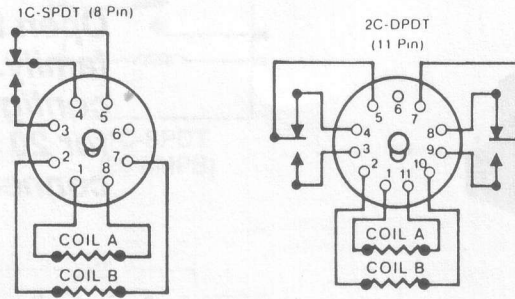
Rated Voltage	DC Resistance (Ohms) ±5%	Average Current (MA)	Must Operate Volts Max.
12	72	200	9
24	288	100	18
110	5880	22	82

**Contact Rating**

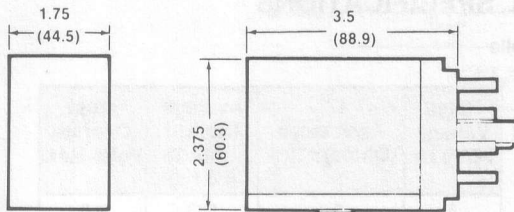
Materials	Rating*
Fine Silver Gold Flashed (Ag)	5 Amp, 28 VDC (resistive) 5 Amp, 250 VAC, (resistive) 1/10 HP, 125 VAC 1/4 HP, 250 VAC
Silver Cadmium Oxide (AgCdO)	10 Amp, 28 VDC (resistive) 10 Amp, 250 VAC (resistive) 1/4 HP*, 125 VAC 1/3 HP*, 250 VAC
Fine Silver Gold Diffused (AuAg)	Low level applications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

\* Total controlled load not to exceed 20 amps when used in industrial applications.

**27 P & Q Series (Shown with Coil "A" Energized, Coil "B" De-energized)**



**Series 27 Plug-In**



	Sockets	Retainers
1C	60SR2P05 60SR2P06 60SR2P51	Z-100071 60SFA201 Clip N/A
2C	60SR3P05 60SR3P06 60SR3P51	Z-100071 60SFA201 Clip N/A

**27 P-Q Series  
Ordering Information**

**27P 2C A 120 07**

**Relay Type**

- 27P** - Mechanical Latch, Enclosed, Plug-in, heat treated fine silver gold flashed **5 Amp** contacts.
- 27Q** - Mechanical Latch, Enclosed, Plug-in, silver cadmium oxide **10 Amp** contacts.

**Contact Forms**

- 1C** - SPDT
- 2C** - DPDT

**Coil Voltage Type**

- A** - Alternating Current (50/60 Hz)
- D** - Direct Current

**Features**

- 07** - Low level, gold diffused fine silver, heat treated contacts. (Available 27P Series Only)

**Rated Voltage**

- 012** - 12 Volts (AC or DC)
- 024** - 24 Volts (AC or DC)
- 110** - 110 Volts DC
- 120** - 120 Volts AC
- 240** - 240 Volts AC

RELAYS and ACCESSORIES