

## Datasheet

# 4PDT Plug In Non-Latching Relay

RS Stock number [394-9093](#)



### Description:

Designed small 2- and 3-pole types break 5 A loads and 4-pole type, 3 A load.

High reliability, long life.

Ultra-high sensitivity with quick response.

High vibration / shock resistance/

3- and 4-pole types have arc barrier.

UL and CSA approved.

Withstands dielectric strength of 2000 V

Relays with high capacity, LED indicator, diode surge suppression, push-to-test button or RC circuit are available.

Changes due to aging are negligible because of use of special magnetic materials, thus ensuring long continuous holding time.

Little change in characteristics such as contact follow, contact pressure, etc., throughout long life.

**Specifications:**

Application:	Power
Coil Power:	1.2 VA
Coil Resistance:	180 $\Omega$
Coil Voltage:	24 V AC
Contact Configuration:	4PDT
Contact Material:	Gold Clad Silver Alloy
Depth:	21.5 mm
Height:	36 mm
Isolation Coil to Contact:	2000 V AC
Length:	28 mm
Maximum Operating Temperature:	70 $^{\circ}\text{C}$
Maximum Switching Current AC:	5 A
Maximum Switching Current DC:	5 A
Maximum Switching Power AC:	1250 VA
Maximum Switching Power DC:	150 W
Maximum Switching Voltage AC:	250 V AC
Maximum Switching Voltage DC:	125 V DC
Minimum Operating Temperature:	-55 $^{\circ}\text{C}$
Mounting Type:	Plug-in
Terminal Type:	Through Hole

**Characteristics:**

Contact Resistance		50 mΩ max.
Operate Time		20 ms max.
Release Time		20 ms max.
Operating Frequency	Mechanically	18000 operations/hour
	Under rated load	1800 operations/hour
Insulation Resistance		100 MΩ min (at 500 VDC)
Dielectric Strength	Single Contact Type	Unsealed: 2,000 VAC, 50/60 Hz for 1 minute 1,000 VAC, 50/60 Hz for 1 minute between contacts of same polarity Sealed: 1,500 VAC, 50/60 Hz for 1 minute 1,000 VAC, 50/60 Hz for 1 minute between contacts of same polarity Hermetically sealed: 1,000 VAC, 50/60 Hz for 1 minute 700 VAC, 50/60 Hz for 1 minute between contacts of same polarity
	Bifurcated contact type	1,500 VAC, 50/60 Hz for 1 minute 1,000 VAC, 50/60 Hz for 1 minute between non-continuous contacts
Vibration	Mechanical Durability	10 to 55 Hz, 1.00 mm (0.04 in.) double amplitude
	Malfunction durability	10 to 55 Hz, 1.00 mm (0.04 in.) double amplitude
Shock	Mechanical Durability	1000 m/s <sup>2</sup> (approx. 100 G)
	Malfunction durability	200 m/s <sup>2</sup> (approx. 20 G)
Ambient Temperature	Operating	Unsealed: -55° to 70°C (-67° to 158°F) Sealed: -55° to 60°C (-67° to 140°F) Hermetically sealed: 25° to 60°C (77° to 140°F)
Humidity		35% to 85% RH
Service Life	Mechanically	Single contact type: AC: 50 million operations min. (at operating frequency of 18,000 operations/hour) DC: 100 million operations min. (at operating frequency of 18,000 operations/hour)
	Mechanically	Bifurcated contact type: AC: 50 million operations min. DC: 20 million operations min. (5 million operations for the sealed/hermetically sealed types) (at operating frequency of 1,800 operations/hour)
Weight		Approx. 30 g