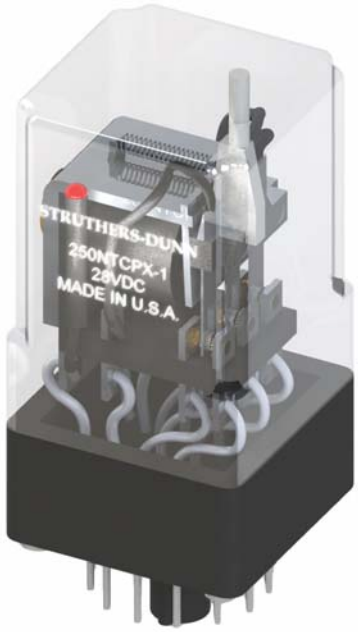
STRUTHERS-DUNN

LEADERS IN RELAYS & CONTROLS • SINCE 1923

250 Series Relay

The 250 Series relay was designed as a replacement for the GE relays used widely in Control units for Gas Turbine power plants. They have the unique GE 14 pin plug design and also have LED and Neon indicator lamps with test push buttons for manual checking of operation. There are additional variations of this relay available as well. Contact us for additional information.



- Optional Features Include:
  - Test Push-Button
  - LED Indicator
  - 14 Pin Octal Plug or PCB Mount
- Standard 3PDT Contact Arrangement
  - Silver Cadmium Oxide, Gold Flashed Contacts
  - Additional Contact Combinations Availabe Upon Request
- High Dielectric Strength
  - 1500 V_{RMS} Between Mutually Insulated Points
- AC or DC Operated Coils
  - Up to 220VDC
  - Up to 300VAC 50/60Hz

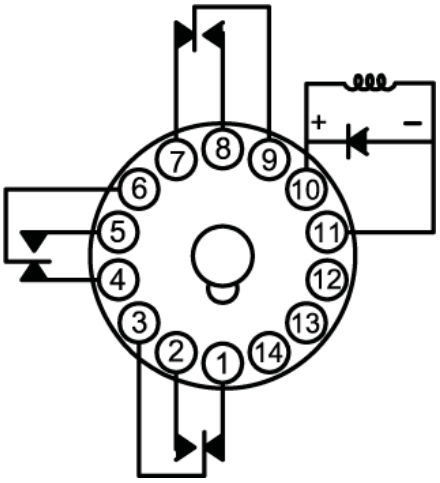
Part Number	Coil Voltage	Cross Reference & Features
250NTCPX-1	28 VDC	GE Part Number 218A4274P11 (LED) - FSN # 5945-01-281-0003
250NTCPX-2	125 VDC	GE Part Number 218A4274P21 (Neon Lamp)
250NTCPX-10	115VAC	GE Part Number 218A4274P3R (Neon Lamp, Full-Wave Rectified Coil)
250NTCPX-11	125 VDC	GE Part Number 218A4274P2 (Neon Lamp, No Diode Across The Coil)
250NTCPX-8	28VDC	GE Part Number 218A4084P1 or 393A10-1 or 218A4084-3 (Neon Lamp) - FSN # 5945-00-565-8436
250NTCPX-3	28 VDC	(LED - Same as 250NTCPX-1 But Without GE Part Number)
250NTCPX-4	125 VDC	(Neon Lamp - Same as 250NTCPX-2 But Without GE Part Number)

General Specifications

250 Series

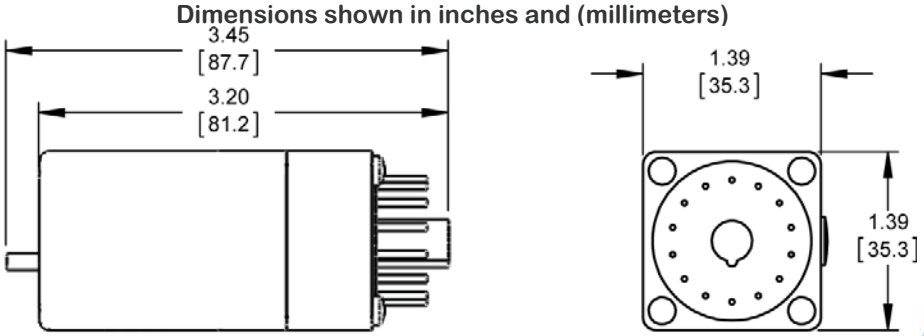
Coil	
Coil Voltage Range	Up to 220VDC, Up to 300VAC 50/60Hz
Pull-in-voltage	80% of nominal or less DC, 85% of nominal or less AC
Coil Resistance Range	Up to 40,000 Ω
Minimum Coil Sensitivity	125 milliwatts per pole
Nominal Coil Power	1.2 Watts DC or 2VA/2.75VA
Maximum Coil Dissipation	Capability of DC coils 3.0 Watts max.
Duty	Continuous
Contacts	
Contact Configuration	3PDT
Contact Material	3/16" Silver Cadmium Oxide, Gold flashed
Contact Rating Maximum	10A @ 120 VAC/28 VDC, 6A @ 240VAC
Contact Resistance	0.050 Ω maximum initial, at rated current
Performance	
Operate Time	25ms or less @ nominal voltage
Release Time	20ms or less @ nominal voltage
Dielectric	
Coil to Contacts	1500 V_{RMS}
Across Open Contacts	1000 V_{RMS}
Pole to Pole	1500 V_{RMS}
Contacts to Frame	1500 V_{RMS}
Insulation Material	Molded Plastic
Isulation Resistance	1000 MΩ minimum @ 500 VDC
Environment	
Operating	-10°C to 50° C (AC), -10°C to 60° C (DC)
Non-Operating (Storage)	-30° C to 105° C
Miscellaneous	
Enclosure	Octal Type Polycarbonate Dust Cover
Weight	Open - 70.9 g (2.5 oz), Enclosed - 99.2 g (3.5 oz)

Wiring Diagram



Outline Dimensions

Dimensions shown in inches and (millimeters)



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