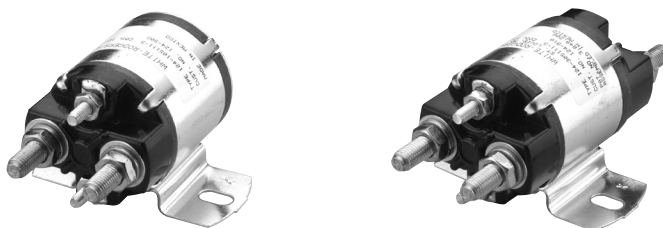


RELAYS AND CONTACTORS

D.C. Power Contactors – Type 124



| Sec. | STANCOR PART NUMBER | Duty Cycle | Terminal Type* | Pole Form | Bracket Style | Coil Volt. D.C. | Coil Resistance (Ohms) @ 25°C | Contact Material | Contact Rating-(Amps.) Inductive Load | | | | | DIMENSIONS INCHES | | | Weight (oz.) | Agency Certif. |
|------|---------------------------|---------------|-------------------|--------------|------------------|-----------------------|--|---------------------|--|-----------------------------|----------|-------------------------------|----------|----------------------|-----------|------|-----------------|-------------------|
| | | | | | | | | | Volt. D.C. | Normally Open Continuous | Inrush** | Normally Closed Continuous | Inrush** | L | Case W | H | | |
| A | 124-906 | Continuous | 3 | SPNO | Standard | 12 | 13.2 | Silver Alloy | 12 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-902 | Continuous | 4 | SPNO | Standard | 12 | 13.2 | Silver Alloy | 12 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-910 | Continuous | 6 | SPDT | Standard | 12 | 13.2 | Silver Alloy | 12 | 100 | 400 | 50 | 200 | 4.69 | 3.13 | 2.19 | 19.0 | - |
| B | 124-907 | Continuous | 3 | SPNO | Standard | 24 | 53.0 | Silver Alloy | 24 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-903 | Continuous | 4 | SPNO | Standard | 24 | 53.0 | Silver Alloy | 24 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-911 | Continuous | 6 | SPDT | Standard | 24 | 53.0 | Silver Alloy | 24 | 100 | 400 | 50 | 100 | 4.69 | 3.13 | 2.19 | 19.0 | - |
| C | 124-908 | Continuous | 3 | SPNO | Standard | 36 | 120.0 | Silver Alloy | 36 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-904 | Continuous | 4 | SPNO | Standard | 36 | 120.0 | Silver Alloy | 36 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |
| | 124-912 | Continuous | 6 | SPDT | Standard | 36 | 120.0 | Silver Alloy | 36 | 100 | 400 | 50 | 100 | 4.69 | 3.13 | 2.19 | 19.0 | - |
| D | 124-913 | Continuous | 4 | SPNO | Standard | 48 | 213.0 | Silver Alloy | 36 | 100 | 400 | - | - | 3.56 | 3.13 | 2.19 | 16.0 | - |

* Terminal Type: "3" = Grounded Coil, SPNO
 "4" = Isolated Coil, SPNO
 "6" = Isolated Coil, SPDT

** Inrush Current: Current applied within the first 1/2 second of contact closure

For outline drawings refer to page 55.

Engineering Design Data

| D.C. Type | Coil Rating Nominal Magnetic Coil Rating (Watts) | Operation in % of Nom. Coil Voltage Rating | | Breakdown Voltages All Terminals - 60 Hz RMS | | | Contact Material | | Electrical Life | | Mechanical Life | | Max. Oper. Temp. °F |
|-----------|--|--|-------------------|--|-----------------------------|-----------|------------------|-------|---------------------|----------------|------------------|---------------|---------------------|
| | | Pick-up | Max. Safe Operate | Opposite Polarity | Open Contacts Same Polarity | To Ground | Power | Pilot | Oper. At Rated Load | Oper. Per Min. | Oper. At No Load | Oper. Per Min | |
| 124 | 12 | 75% | 110% | 500 | 500 | 500 | Silver Alloy | Gold | 50,000 | 2 | 100,000 | 6 | 150 |

Temperature Range

— -40°F to 150°F

Terminations

— Contacts: 5/16"-24 UNF-2A thread
 — Coil: #10-32 UNF-2A thread

Recommended Mounting

— Vertical plane with coil terminals up.

Hardware Torque Specification

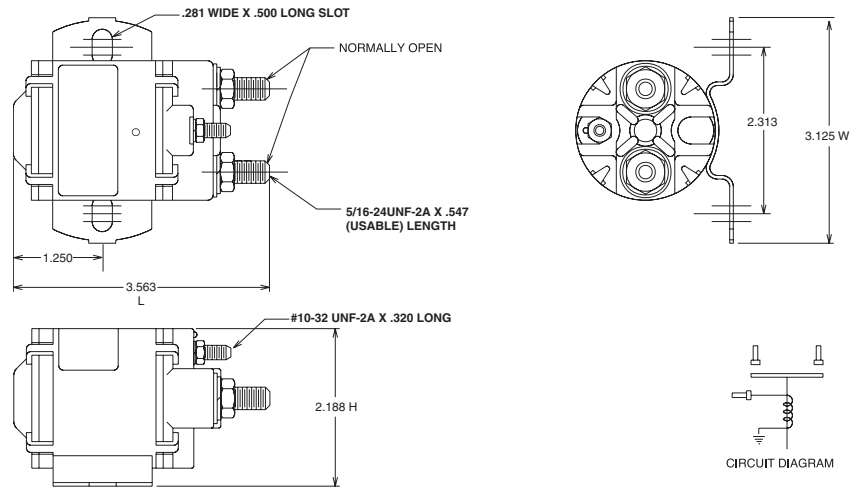
— Contact Terminal: 60 inch-lbs., max.
 — Coil Terminal: 12-18 inch lbs.
 — **Caution: A back-up wrench must be used to hold the bottom nut stationary**

Type 124 Custom Design Capabilities

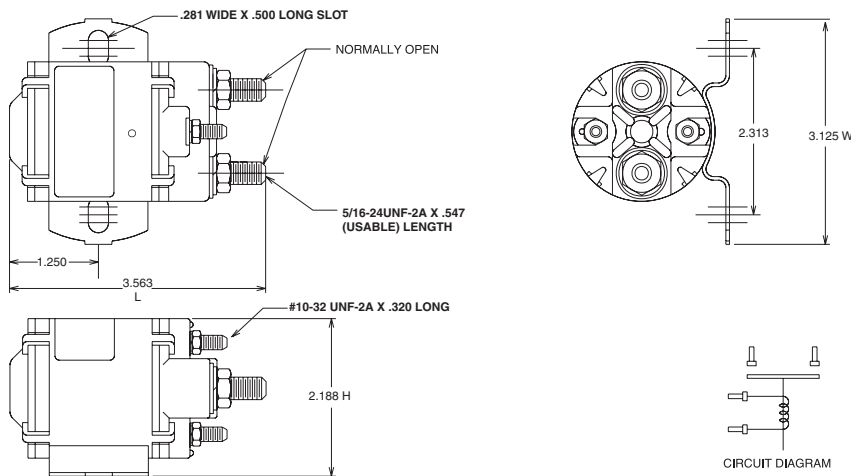
— Coil voltages 6 VDC through 48 VDC
 — High vibration
 — Gold plated contacts for pilot duty (low load switching) applications
 — Please complete application data form on page 95 of this section.

Note: Caution must be used in coil selection for use in 12 volt systems where battery charging may expose coil to continuous, higher-than-rated voltage. Stancor will not be responsible for consequences of misapplied solenoids.

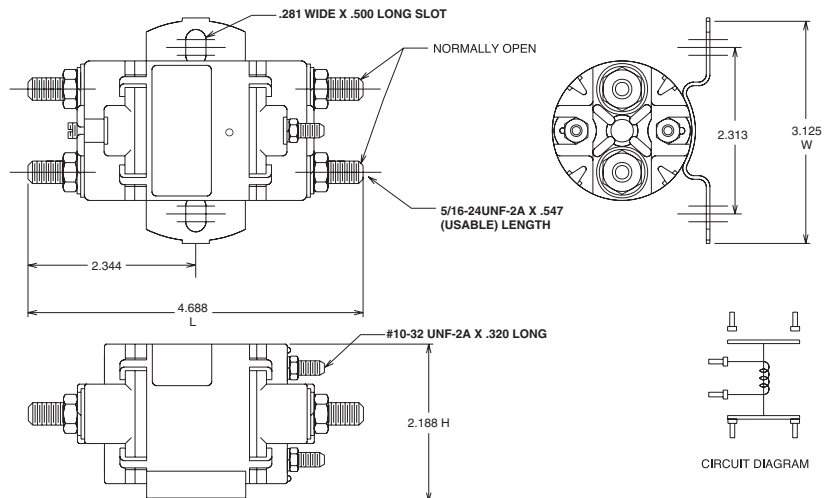
Terminal Type 3 – Coil Grounded to Case SPNO



Terminal Type 4 – Isolated Coil SPNO



Terminal Type 6 – Isolated Coil SPDT



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[White-Rodgers:](#)

[124 114211](#) [124 317111](#)