

# RELAYS AND CONTACTORS

## D.C. Power Contactors – Type 586

Type 586 SPDT



Type 586 SPNO



RoHS

| Sec. | STANCOR PART NUMBER | Duty Cycle | Terminal Type* | Pole Form | Bracket Style | Coil Resistance |               | Contact Material | Contact Rating-(Amps.) Inductive Load |                          |                            |          | DIMENSIONS INCHES |        |      | Weight (oz.) | Agency Certif. |
|------|---------------------|------------|----------------|-----------|---------------|-----------------|---------------|------------------|---------------------------------------|--------------------------|----------------------------|----------|-------------------|--------|------|--------------|----------------|
|      |                     |            |                |           |               | Coil Volt. D.C. | (Ohms) @25° C |                  | Volt. D.C.                            | Normally Open Continuous | Normally Closed Continuous | Inrush** | L                 | Case W | H    |              |                |
| A    | 586-901             | Continuous | 4              | SPNO      | Standard      | 6               | 5.3           | Silver Alloy     | 6                                     | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
|      | 586-902             | Continuous | 4              | SPNO      | Standard      | 12              | 21.0          | Silver Alloy     | 12                                    | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
|      | 586-903             | Continuous | 4              | SPNO      | Standard      | 15              | 32.8          | Silver Alloy     | 15                                    | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
| B    | 586-905             | Continuous | 4              | SPNO      | Standard      | 24              | 84.0          | Silver Alloy     | 24                                    | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
|      | 586-906             | Continuous | 4              | SPNO      | Standard      | 36              | 189.0         | Silver Alloy     | 36                                    | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
|      | 586-907             | Continuous | 4              | SPNO      | Standard      | 48              | 336.0         | Silver Alloy     | 36                                    | 200                      | 600                        | -        | 3.69              | 3.30   | 2.90 | 24.0         | -              |
| C    | 586-911             | Continuous | 6              | SPDT      | Standard      | 12              | 13.2          | Silver Alloy     | 12                                    | 200                      | 600                        | 100      | 4.61              | 3.30   | 2.90 | 26.0         | -              |
|      | 586-914             | Continuous | 6              | SPDT      | Standard      | 24              | 53.0          | Silver Alloy     | 24                                    | 200                      | 600                        | 100      | 4.61              | 3.30   | 2.90 | 26.0         | -              |
|      | 586-915             | Continuous | 6              | SPDT      | Standard      | 36              | 120.0         | Silver Alloy     | 36                                    | 200                      | 600                        | 100      | 4.61              | 3.30   | 2.90 | 26.0         | -              |

— Water Resistant

\* Terminal Type: "4" = Isolated Coil  
"6" = Isolated Coil

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

For outline drawings refer to page 57.

### Engineering Design Data

| D.C. Type | Coil Rating<br>Nominal<br>Magnetic<br>Coil Rating<br>(Watts) | Operation in % of Nom.<br>Coil Voltage Rating |                   | Breakdown Voltages<br>All Terminals - 60 Hz RMS |                             |           | Contact Material |       | Electrical Life     |                | Mechanical Life  |               | Max.<br>Oper.<br>Temp.<br>°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 |                              |
| 586       | 8 - SPNO<br>12 - SPDT                                        | 75%                                           | 110%              | 500                                             | 500                         | 500       | Silver Alloy     | -     | 50,000              | 2              | 100,000          | 30            | 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

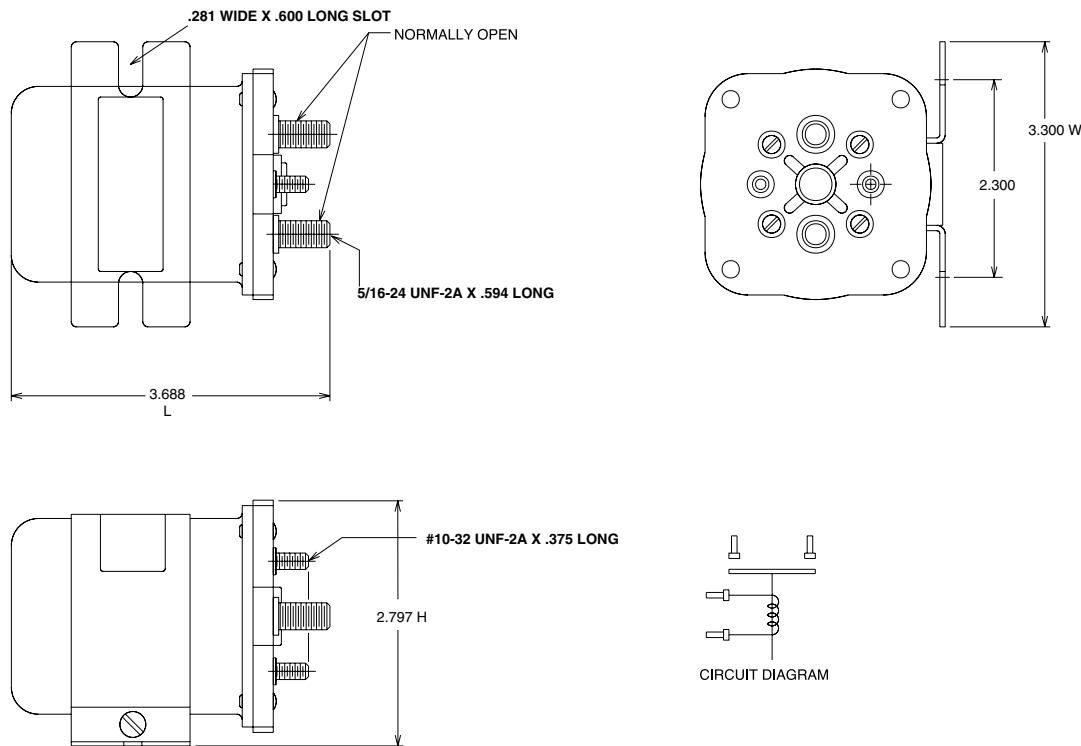
— Contact Terminal: 60 inch-lbs., max.  
— Coil Terminal: 12-18 inch lbs.

### Type 586 Custom Design Capabilities

— Coil voltages 6 VDC through 48 VDC  
— High vibration  
— 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 4 – Isolated Coil SPNO



Terminal Type 6 – Isolated Coil SPDT

