

# RELAYS AND CONTACTORS

## D.C. Power Contactors – Type 586

Type 586 SPDT



Type 586 SPNO



RoHS

| Sec. | STANCOR<br>PART<br>NUMBER | Duty<br>Cycle | Terminal<br>Type* | Pole<br>Form | Bracket<br>Style | Coil<br>Volt.<br>D.C. | Coil<br>Resistance<br>(Ohms)<br>@25° C | Contact<br>Material | Contact Rating-(Amps.)<br>Inductive Load |                             |                               |          | DIMENSIONS<br>INCHES |           |      | Weight<br>(oz.) | Agency<br>Certif. |   |
|------|---------------------------|---------------|-------------------|--------------|------------------|-----------------------|----------------------------------------|---------------------|------------------------------------------|-----------------------------|-------------------------------|----------|----------------------|-----------|------|-----------------|-------------------|---|
|      |                           |               |                   |              |                  |                       |                                        |                     | Volt.<br>D.C.                            | Normally Open<br>Continuous | Normally Closed<br>Continuous | Inrush** | L                    | Case<br>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      | 300                  | 4.61      | 3.30 | 2.90            | 26.0              | - |
|      | 586-914                   | Continuous    | 6                 | SPDT         | Standard         | 24                    | 53.0                                   | Silver Alloy        | 24                                       | 200                         | 600                           | 100      | 200                  | 4.61      | 3.30 | 2.90            | 26.0              | - |
|      | 586-915                   | Continuous    | 6                 | SPDT         | Standard         | 36                    | 120.0                                  | Silver Alloy        | 36                                       | 200                         | 600                           | 100      | 200                  | 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

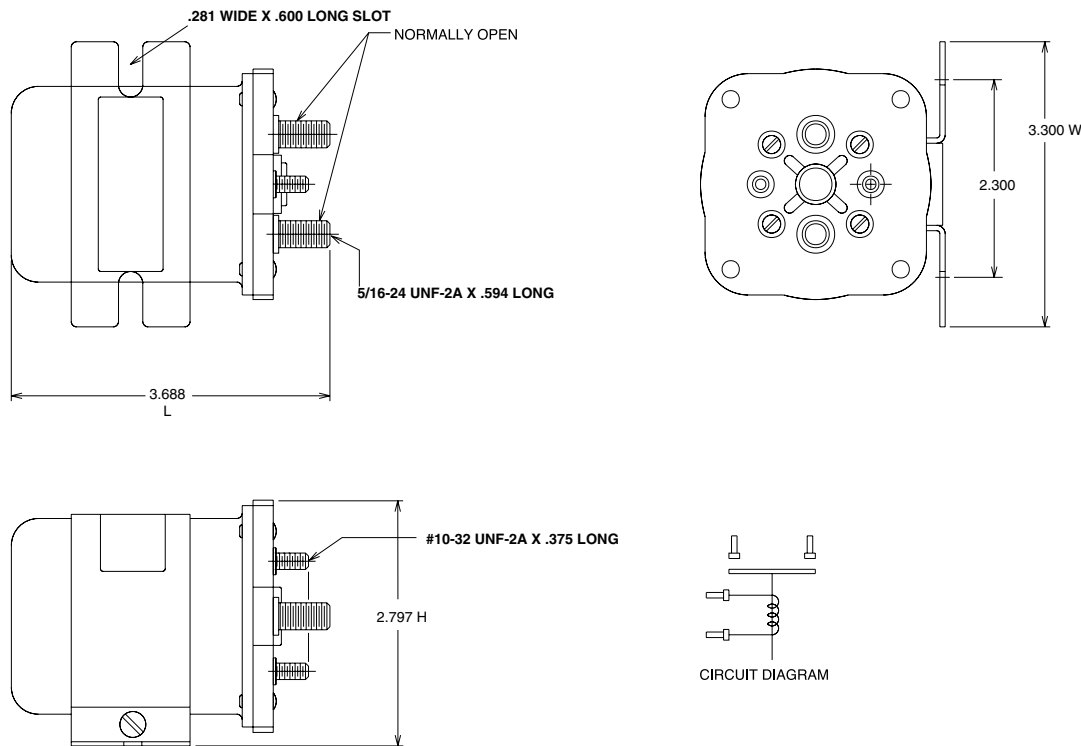
— Contact Terminal: 60 inch-lbs., max.  
— Coil Terminal: 12-18 inch lbs.

### 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

