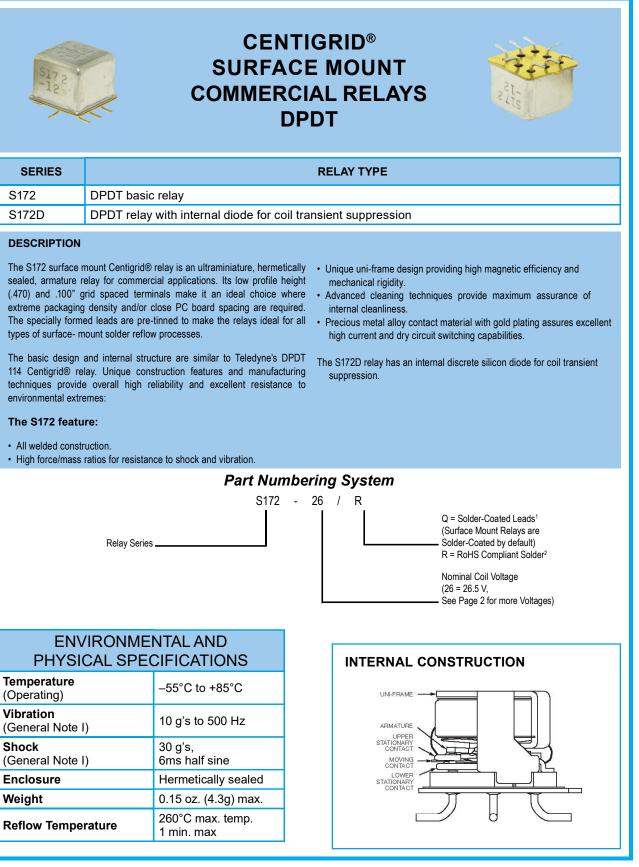


Series S172

DPDT Non-Latching Commercial Electromechanical Relay



Series S172

DPDT Non-Latching Commercial Electromechanical Relay

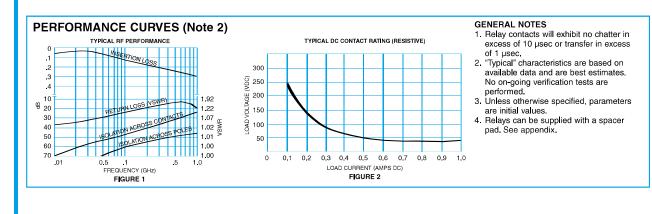
TELEDYNE RELAYS Everywhereyoulook^{**}

| SERIES S172 | |
|-------------|----------------------------------------------------------------------------------|
| GENERAL ELE | CTRICAL SPECIFICATIONS (-55 °C to 85 °C unless otherwise noted. See notes 2 & 3) |

| GENERAL ELECTRICAL SPECIFICATIONS (-55 °C to 85 °C unless otherwise noted. See notes 2 & 3.) | | | | | | |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--|--|--|--|
| Contact Arrangement | 2 Form C (DPDT) | | | | | |
| Rated Duty | Continuous | | | | | |
| Contact Resistance | 0.15 Ω max. | | | | | |
| Contact Load Rating | Resistive: 1 A/ 28 Vdc Inductive: 200 mA/ 28 Vdc (320mH) Lamp: 100 mA / 28 Vdc (320mH) Low level: 10 to 50 μA @ 10 to 50 mV | | | | | |
| Contact Life Ratings | 5,000,000 cycles (typical) at low level 500,000 cycles (typical) at 0.5 A / 28 Vdc resistive 100,000 cycles min. at all other loads specified above | | | | | |
| Contact Overload Rating | 2 A / 28 Vdc Resistive (100 cycles min.) | | | | | |
| Contact Carry Rating | Contact Factory | | | | | |
| Operate Time | 6.0 msec max. at nominal rated coil voltage | | | | | |
| Release Time | S172: 3.0 ms max. | S172D: 6.0 ms max. | | | | |
| Contact Bounce | 1.5 msec max. | | | | | |
| Intercontact Capacitance | 0.4 pf typical | | | | | |
| Insulation Resistance | 1,000 M Ω min. between mutually isolated terminals | | | | | |
| Dielectric Strength | 300 Vrms (60 Hz) @ atmospheric pressure | | | | | |
| Negative Coil Transient (Vdc) | 2.0 Vdc Max. | | | | | |
| Diode P.I.V. (Vdc) | 60 Vdc Min. | | | | | |

DETAILED ELECTRICAL SPECIFICATIONS (-55 °C to 85 °C unless otherwise noted. See note 2.)

| BASE PART NUMBERS (S172, S172D) | | S172-5 S172D-5 | S172-12 S172D-12 | S172-26 S172D-26 |
|---------------------------------|---------------------|-------------------|---------------------|---------------------|
| Coil Voltago | Nom. | 5.0 | 12.0 | 26.5 |
| Coil Voltage | Max. | 5.8 | 16.0 | 32.0 |
| Coil Resistance (Ohms ±2 | 5%) | 64 | 400 | 1600 |
| Pick-up Voltage (Vdc, Max | .) Pulse Operation | 3.8 | 9.0 | 18.0 |
| Coil Operating Power at No | ominal Voltage (mW) | 405 | 360 | 440 |



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Series S172

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