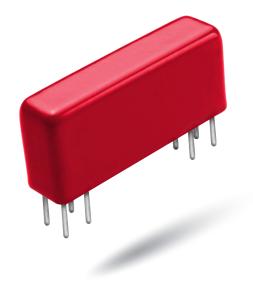
2300 SERIES MULTI-POLE REED RELAYS

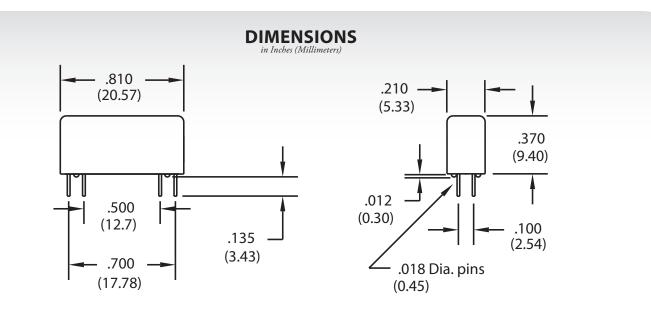


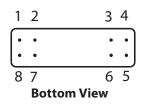
2300 Series Multi-Pole Reed Relays

The Coto 2300 series is designed to offer the densest packaging available in a multipole reed relay. The size and footprint of the 2300 series complement the 2200 & 2900 series relays. The 1 Form C model is constructed with individual switch capsules for the normally open and magnetically biased normally closed contacts which are more reliable than the spring actuated 1 Form C reed switches. Custom pin-outs as well as custom designs are available to meet particular applications.

2300 Series Features

- Smallest Multi-pole Relay: 0.056 sq. inches/pole (3 pole relay)
- ▶ Up to 3 Form A or 2 Form C Contacts
- Hermetically Sealed Contacts
- ► Long Life / High Reliability
- Magnetically Shielding Steel Shell
- Optional Electrostatic Shield (on models 2332 & 2341)
- RoHS compliant





14 page

Ordering InformationPart Number 23XX-XX-0X0Model NumberShielding Options³2332 (2 Form A)2332 (2 Form A)2333 (3 Form A)Coil Voltage2341 (1 Form C)05=5 volts2342 (2 Form C)12=12 volts2342 (2 Form C)12=12 volts

tel: (401) 943.2686 | fax: (401) 942.0920

| MODEL NUMBE | R | | 2332 | 2333 | 2341 ^{2,4} | 2342 |
|---|---|---|---|--------------------|--|--------------------|
| Parameters | Test Conditions | Units | 2 Form A | 3 Form A | 1 Form C | 2 Form C |
| COIL SPECS. | | | | | | |
| Nom. Coil Voltage | | VDC | 5 12 | 5 12 | 5 12 | 5 12 |
| Coil Resistance | +/- 10%, 25° C | Ω | 175 1000 | 175 1000 | 230 1000 | 175 1000 |
| Operate Voltage | Must Operate by | VDC - Max. | 3.8 9.0 | 3.8 9.0 | 3.8 9.0 | 3.8 9.0 |
| Release Voltage | Must Release by | VDC - Min. | 0.4 1.0 | 0.4 1.0 | 0.4 1.0 | 0.4 1.0 |
| CONTACT RATINGS | | | | | | |
| Switching Voltage | Max DC/Peak AC Resist. | Volts | 200 | 200 | 200 | 100 |
| Switching Current | Max DC/Peak AC Resist. | Amps | 0.5 | 0.5 | 0.5 | 0.25 |
| Carry Current | Max DC/Peak AC Resist. | Amps | 1.5 | 1.5 | 1.5 | 0.5 |
| Contact Rating | Max DC/Peak AC Resist. | Watts | 10 | 10 | 10 | 3 |
| Life Expectancy-Typical ¹ | Signal Level 1.0V, 10mA | x 10 ⁶ Ops. | 500 | 500 | 500 | 100 |
| Static Contact Resistance (max. init.) | 50mV, 10mA | Ω | 0.150 | 0.150 | 0.150 | 0.200 |
| Dynamic Contact Resistance (max. init.) | 0.5V, 50mA at 100 Hz, 1.5 msec | Ω | 0.200 | 0.200 | 0.200 | 0.250 |
| RELAY SPECIFICATIO | DNS | | | | | |
| Insulation Resistance (minimum) | Between all Isolated Pins at 100V, 25°C, 40% RH | Ω | 10 ¹² | 10 ¹² | 10 ¹² | 10 ⁹ |
| Capacitance - Typical Across Open Contacts | No Shield Shield Guarding | pF pF | 0.8 0.2 | 0.8 N/A | 1.7 0.7 | 2.0 N/A |
| Dielectric Strength (minimum) | Between Contacts Contacts to Shield Contacts/Shield to Coil | VDC/peak AC VDC/peak AC VDC/peak AC | 250 1000 1000 | 250 N/A 1000 | 250 1000 1000 | 200 N/A 1000 |
| Operate Time - including bounce - Typical | At Nominal Coil Voltage, 30 Hz Square Wave | msec. | 0.5 | 0.5 | 0.5 | 1.5 |
| Release Time - Typical | | msec. | 0.15 | 0.15 | 0.5 | 2.0 |
| Dot st | tamped on top of relay refers to Grid = .1″x.1″ (2.54 | · / | $\begin{bmatrix} 5 & \bullet & \bullet & 4 \\ 0 & \bullet & 3 \\ \hline & & & & \\ 7 & \circ & \bullet & 2 \end{bmatrix}$ | | $\begin{array}{c}5\\6\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\-\\$ | |

Notes:

¹ Consult factory for life expectancy at other switching loads. Resistance >0.5 Ω defines end of life or failure to open.

² Break-before-make action on Form C Model 2341 is not guaranteed. Consult factory if break-before-make is required.

³ Electrostatic shield (2332 & 2341 only) is connected to pin #6. Coaxial shield is connected to pins #6 and #7.

⁴ This relay is polarity sensitive. Pin #3 MUST be positive.

Environmental Ratings:

Storage Temp: -35°C to +100°C; Operating Temp: -20°C to +85°C; Solder Temp: 270°C max; 10 sec. max All electrical parameters measured at 25°C unless otherwise specified. Vibration: 20 G's to 2000 Hz; Shock: 50 G's

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Reed Relays category:

Click to view products by Coto manufacturer:

Other Similar products are found below :

 CUPE001A624
 CUPE004A605
 8000-0217
 922A06C4C
 PRMA1A24B
 HGS1021
 HGS1048
 HGZM1C24
 HGZM2C05
 HGZM2C12

 HGZM2C48
 134MPCX-3
 MSS62A05
 MSS71A05
 MSS71A05B
 MSS71A12
 MSS71A12B
 MSS71A24
 HYR2001-1520
 9000-0153
 2600

 0308
 2653-12-310
 2610-12-310
 2611-05-310
 PRMA1B05B
 2653-05-310
 HGP1005
 HGS1019
 HGS2M5114
 HGZM1C05
 HGZM1C12

 HGZM1C48
 3-1393771-5
 3432-12-91
 CUPV50020
 HYR2031-1520
 V23100V4305C11
 W107DIP-43
 W193RE1C3-12G
 W193RE2A3-12G

 W193RE2C3-24G
 W193RE3A3-24G
 W193RE3C3-24G
 W193RE4C3-12G
 5000-0242
 W193RE4C3-24G
 W193RE4A3-24G
 W193RE4A3-24G

 12G
 W193RE2C3-12G
 W193RE2A3-24G
 W193RE2A3-24G
 W193RE2A3-24G
 W193RE4A3-24G