

# DRD Series 10x10 Size sealed ROTARY TYPE

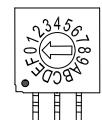
## 3:3 PIN-OUT RIGHT ANGLE "THT" (2.54 x 5.08mm footprint)



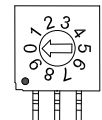
### DRD-1 xx-XF Z (Flat Type)



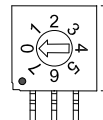
16 POSITIONS



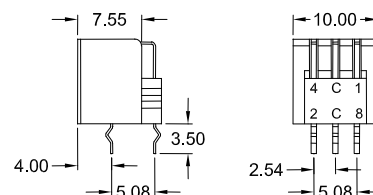
10 POSITIONS



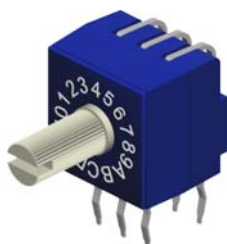
8 POSITIONS



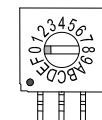
PIN 0.60x0.25



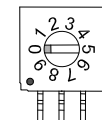
### DRD-2 xx-XF Z (Shaft Type)



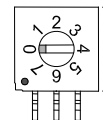
16 POSITIONS



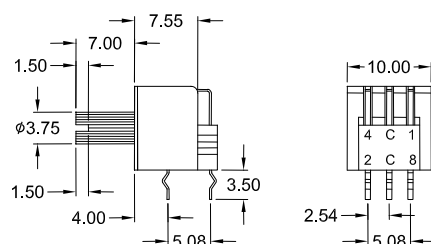
10 POSITIONS



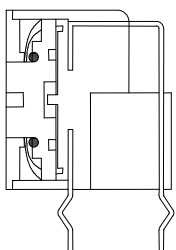
8 POSITIONS



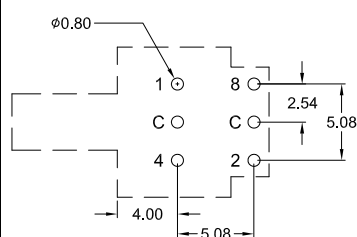
PIN 0.60x0.25



#### Construction



#### PCB Hole Layout



#### Code

| Pin No. | POSITION |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|         | 0        | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A | B | C | D | E | F |
| 1       | ○        | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● | ○ | ● |
| 2       | ○        | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ● | ● |
| 4       | ○        | ○ | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ● | ● | ○ | ○ |
| 8       | ○        | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

● Real Code

○ Complementary Code

Rotor color: White

Rotor color: Red

### SPECIFICATIONS

#### Electrical data

|                       |                          |
|-----------------------|--------------------------|
| Contact Rating        |                          |
| -switching            | 25 mA, 24 V DC           |
| -non-switching        | 100 mA, 50 V DC          |
| Contact Resistance    |                          |
| -initial              | 50 mΩ max.               |
| -after life test      | 100 mΩ max.              |
| Insulation Resistance | 1000 MΩ min. at 100 V DC |
| Withstanding Voltage  | 250 V AC for 1 Minute    |

#### Mechanical and Environmental data

|                       |                                   |
|-----------------------|-----------------------------------|
| Operating Temperature | - 25°C to +70°C                   |
| Storage Temperature   | - 40°C to +85°C                   |
| Operating Force       | 500 gf-cm max. (torque)           |
| Mechanical Life       | 2000 steps per position           |
| Vibration             | 10 Hz – 50 Hz – 10 Hz for 6 hours |

### FEATURES

- Molded-in terminals and fully sealed construction
- Standard 2.54mm pin to pin
- All plastics are UL 94V-0 grade fire retardant
- Reliable contact and long-term stability
- Binary decimal (8 or 10 positions) and hexadecimal (16 positions), real and complementary codes available
- Gold plated contacts to ensure low contact resistance. Terminals Tin plated.

### How to order

DRD – x xx – XX Z

| Rotor          | Nbr of positions | Code                                |
|----------------|------------------|-------------------------------------|
| 1 = Flat type  | 08; 10; 16       | RF = Real 5.08mm row space          |
| 2 = Shaft type |                  | CF = Complementary 5.08mm row space |