

Order example

RCD — □

MODEL

RCD: Reed switch
 RDD: Non-contact
 RND: NPN
 RNDE: NPN
 RPD: PNP
 RPDE: PNP

WIRE LENGTH

2M: L=2000mm
 QD: M8, 3 Pin connector
 EQD: M8, 3 Pin connector
 * Special order is available.

Assembling style

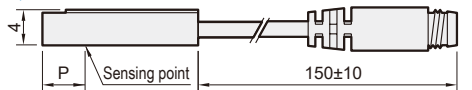
| Cylinder type | Mounting clamp |
|-----------------|----------------|
| MCRPMS, MCRB | |

Dimension

Standard lead wire



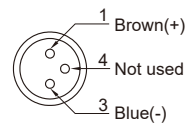
QD connector



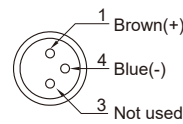
| Code Model | P |
|------------|-----|
| RCD | 12 |
| RDD | 6 |
| RND | 7.5 |
| RNDE | 6 |
| RPD | 7.5 |
| RPDE | 6 |

Wiring of the QD

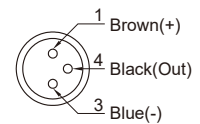
• 2 wire QD wiring



• 2 wire EQD wiring



• 3 wire QD wiring



Specification

| Model | RCD | RDD | RND | RNDE | RPD | RPDE |
|--------------------------|-------------------------|-----------------|-----------------------------------|------------------|----------------------|------------------|
| Wiring method | 2 wire | | 3 wire | | | |
| Switching logic | SPST normally open | | Solid state output, normally open | | | |
| Switch Type | Reed switch | Non-contact | NPN current sinking | | PNP current sourcing | |
| Operating voltage | 5~120V DC/AC | | 5~30V DC | | | |
| Switching current | 100mA max. | 50mA max. | 200mA max. | | | |
| Contact rating (*1) | 10W max. | 1.5W max. | 6W max. | | | |
| Current consumption (*5) | - | | 8 mA@24V DC max. | 6 mA@24V DC max. | 8 mA@24V DC max. | 6 mA@24V DC max. |
| Voltage drop (*5) | 3.5V max. | 3.7V max. | 1V@200mA max. | 0.5V@200mA max. | 1V@200mA max. | 0.5V@200mA max. |
| Leakage current (*5) | - | 0.1mA(40uA) Max | 0.01mA Max | | | |
| Indicator | Red LED | | | Green LED | | |
| Cable | ø2.8, 2C, PUR | | ø2.8, 3C, PUR | | | |
| Temperature range | -10~+70°C (No freezing) | | | | | |
| Shock (*2) | 30G | | 50G | | | |
| Vibration (*3) | 9 G | | | | | |
| Enclosure classification | IEC 60529 IP67 | | | | | |
| Protection circuit (*4) | 1 | 3, 4 | 2, 3, 4 | 3, 4 | 2, 3, 4 | 3, 4 |
| Weight | 20 g (2m cable) | | | | | |
| Connect diagram | | | | | | |

*1. Warning: Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur. * 6. Caution for safety please refer to page 9-3~4.
 *2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11ms each time.
 *3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.
 *4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression.
 *5. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 2M length. Voltage drop increases in pace with cable length.