

### Order example

RCS — □

#### MODEL

C: Reed switch  
N: NPN  
P: PNP

#### WIRE LENGTH

Blank: L=2000mm  
1M: L=1000mm  
QD: M8 3 PIN connector  
EQD: M8 3PIN connector

\* Special order is available.

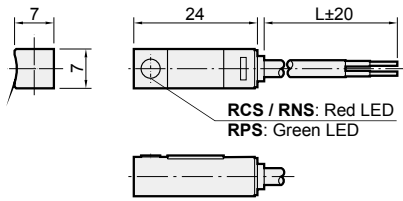
### Switch band

BJ 16

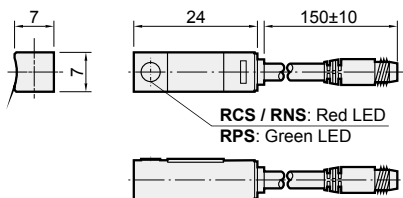
SWITCH BAND: 6, 10, 16  
TUBE I.D.: 6, 10, 16

### Dimension

#### RCS/RNS/RPS

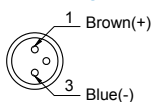


#### RCS-QD/RNS-QD/RPS-QD

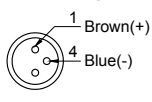


### Wiring of the QD

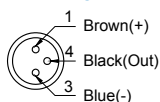
#### • 2 wire QD wiring



#### • 2 wire EQD wiring



#### • 3 wire QD wiring



### Specification

| Model                    | RCS                     | RNS                               | RPS                  |
|--------------------------|-------------------------|-----------------------------------|----------------------|
| Wiring method            | 2 wire                  | 3 wire                            |                      |
| Switching logic          | SPST normally open      | Solid state output, normally open |                      |
| Switch Type              | Reed switch             | NPN current sinking               | PNP current sourcing |
| Operating voltage        | 5~240V DC/AC            | 5~30V DC                          |                      |
| Switching current        | 100mA max.              | 200mA max.                        |                      |
| Switching rating (*1)    | 10W max.                | 6W max.                           |                      |
| Current consumption      | —                       | 8 mA@24V DC max.                  |                      |
| Voltage drop             | 3.5V max.               | 1V @200mA max.                    |                      |
| Leakage current          | —                       | 0.01mA max.                       |                      |
| Indicator                | Red LED                 |                                   | Green LED            |
| Cable                    | ø2.8, 2C, PVC           | ø2.8, 3C, PVC                     |                      |
| Temperature range        | -10~+70°C (No freezing) |                                   |                      |
| Shock (*2)               | 30G                     | 50G                               |                      |
| Vibration (*3)           | 9G                      |                                   |                      |
| Enclosure classification | IEC 60529 IP67          |                                   |                      |
| Protection circuit (*4)  | 1                       | 2,3,4                             |                      |
| Weight                   | 23.5 g (2m cable)       |                                   |                      |
| Connect diagram          |                         |                                   |                      |

\* 1. Warning: Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.

\* 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. Caution for safety please refer to page 10-3~4.

### Assembling style

| Cylinder type      | MCMA | MCMJ |      |      |      | MCMJ |      |      |
|--------------------|------|------|------|------|------|------|------|------|
| Mounting clamps    | Band | Band |      |      |      | Band |      |      |
| Order              | BJ16 | BJ8  | BJ10 | BJ12 | BJ16 | BJ6  | BJ10 | BJ16 |
| Cylinder tube I.D. | 16   | 8    | 10   | 12   | 16   | 6    | 10   | 16   |
| Picture            |      |      |      |      |      |      |      |      |