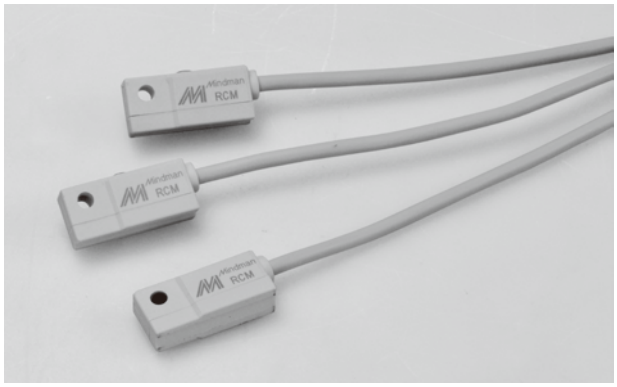
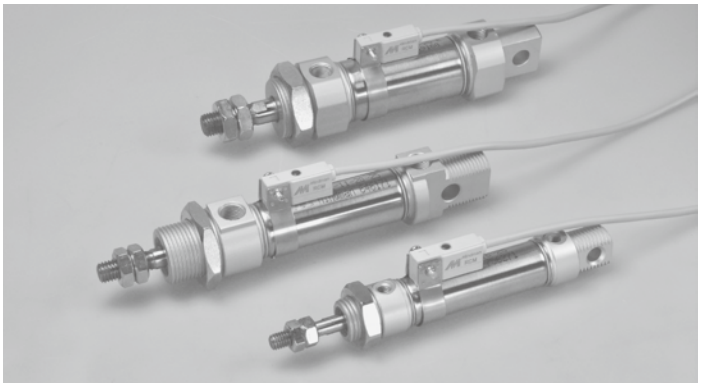
# RCM series

## SENSOR SWITCH





## Order example

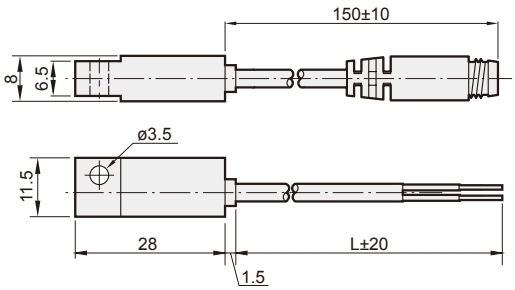
RCM – □ – BM16

| MODEL | WIRE LENGTH | SWITCH HOLDER | TUBE I.D. |
|---|---|---|---|
| **C**: Reed switch<br>**N**: NPN<br>**P**: PNP<br>**D**: Without contact | Blank: L=2000mm<br>**1M**: L=1000mm<br>**QD**: M8 3 PIN connector<br>**EQD**: M8 3PIN connector | | **6, 10, 16, 20, 25, 32, 40** |

* Special order is available.

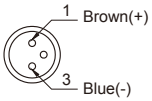
## Dimension

### RCM/RDM/RNM/RPM
### RCM-QD/RDM-QD/RNM-QD/RPM-QD

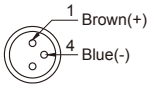



## Wiring of the QD

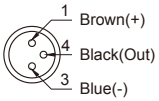
• 2 wire QD wiring



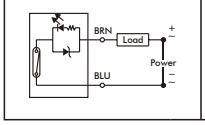
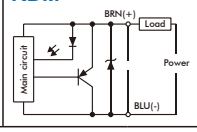
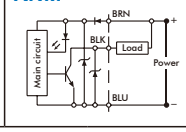
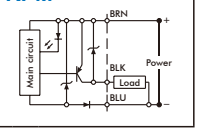

• 2 wire EQD wiring




• 3 wire QD wiring



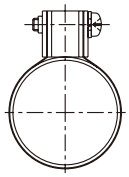

## Specification

| Model | RCM | RDM | RNM | RPM |
|---|---|---|---|---|
| Wiring method | 2 wire | | 3 wire | |
| Switching logic | SPST N.O. | Solid state output, normally open | | |
| Switch Type | Reed switch | Without contact | NPN current sinking | PNP current sourcing |
| Operating voltage | 5~240V DC/AC | 10~30V DC | 5~28V DC | |
| Switching current | 100mA max. | 50mA max. | | |
| Switching rating (*1) | 10W max. | 1.5W max. | | |
| Current consumption | — | | 10 mA@24V DC max. | |
| Voltage drop | 3.5V max. | 3.7V max. | 1.5V max. | |
| Leakage current | — | 0.1mA max. | 0.01mA max. | |
| Indicator | Red LED | | | Green LED |
| Cable | ø3.3, 2C, PVC | | ø3.3, 3C, PVC | |
| Temperature range | -10~+70°C (No freezing) | | | |
| Shock (*2) | 30G | 50GTTA | | |
| Vibration (*3) | 9G | | | |
| Enclosure classification | IEC 60529 IP67 | | | |
| Protection circuit (*4) | 1 | 3,4 | | |
| Weight | 33 g (2m cable) | | | |
| Connect diagram | | | | |
| RCM |  | | | |
| RDM |  | | | |
| RNM |  | | | |
| RPM |  | | | |



* 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

| Picture | Mounting clamps | Model Order | Model Tube I.D. | MCMA | MCMB | MCKMB | MCMBL | MCMBR* | MCMI | MCBMI | MCMJ | MGT* | MSLL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | Band | BM6 | 6 | | | | | | | | ● | | |
| | | BM8 | 8 | | | | | | ● | | | | |
| | | BM10 | 10 | | | | | | | | ● | | |
| | | BM10 | 12 | | | | | | ● | | | | |
| | | BM16 | 16 | ● | | | | | ● | | ● | | |
| | | BM20 | 20 | ● | ● | | | ● | ● | ● | | ● | |
| | | BM25 | 25 | ● | ● | ● | | ● | ● | ● | | ● | |
| | | BM32 | 32 | ● | ● | | | ● | | | | | |
| | | BM40 | 40 | ● | ● | ● | ● | ● | | | | | ● |