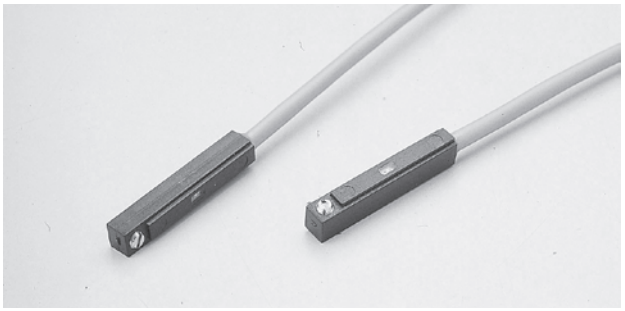
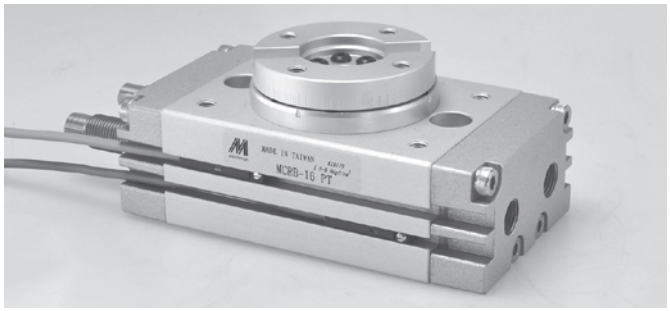
RCD series

SENSOR SWITCH

mindman





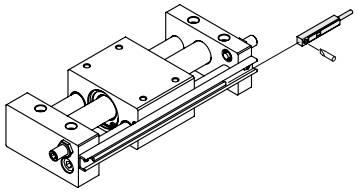
Order example

RCD – □

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

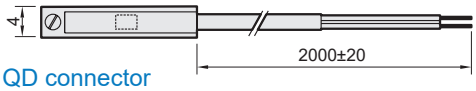
WIRE LENGTH
1M: L=1000mm
2M: L=2000mm
QD: M8, 3 Pin connector
EQD: M8, 3 Pin connector
* Special order is available.

Assembling style

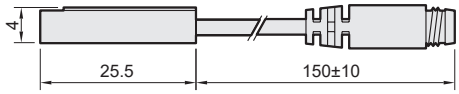
Cylinder type	Mounting clamp
MCRPMS, MCRB	

Dimension

Standard lead wire

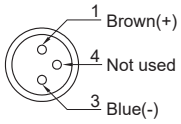


QD connector

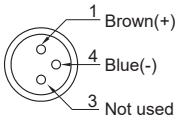


Wiring of the QD

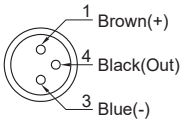
● 2 wire
QD wiring



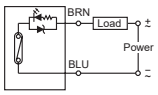
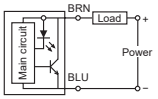
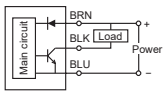
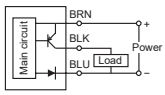
● 2 wire
EQD wiring



● 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.
*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.
* 6. Caution for safety please refer to page 9-3~4.