RCB series

SENSOR SWITCH





Order example

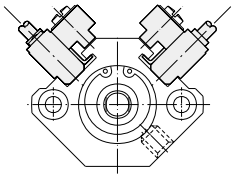
RCB – 2M

MODEL
RCB: Reed switch
RDB: Non-contact
RNB: NPN
RNBE: NPN
RPB: PNP
RPBE: PNP

WIRE LENGTH
1M: L=1000mm
2M: L=2000mm
QD: M8, 3 Pin connector
EQD: M8, 3 Pin connector

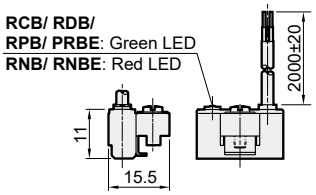
* Special order is available.

Assembling style

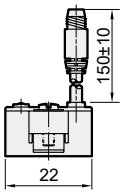
Cylinder type	Mounting clamp
MCJQ2, MCGA, MSB*	

Dimension

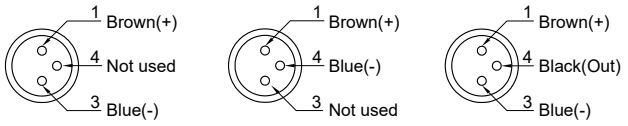
Standard lead wire



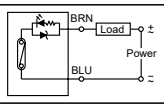
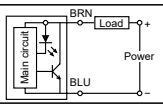
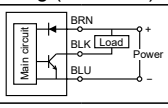
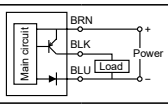
QD connector



Wiring of the QD



Specification

Model	RCB	RDB	RNB	RNBE	RPB	RPBE
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	5~240V DC/AC	5~30V DC				
Switching current	100mA max.	50mA max.	200mA max.			
Switching rating (*1)	10W max.	1.5W max.	6W max.			
Current consumption (*5)	–		22 mA@24V DC max.	6 mA@24V DC max.	20 mA@24V DC max.	6 mA@24V DC max.
Voltage drop (*5)	3.5V max.	3.7V max.	0.5V max.			
Leakage current (*5)	–	0.1mA(40uA) max.	0.01mA max.			
Indicator	Green LED		Red LED		Green LED	
Cable	ø3.3, 2C, PVC		ø3.3, 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	3,4				
Weight	33 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 .