RCI series

SENSOR SWITCH





Order example

RCI — N — 2M

MODEL

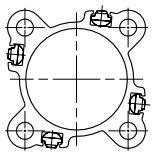
RCI: Reed Switch
RCI-N: Reed Switch (NPN)
RCI-P: Reed Switch (PNP)
RNI: NPN
RPI: PNP

WIRE LENGTH

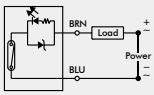
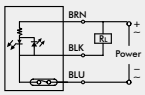
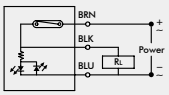
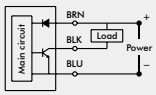
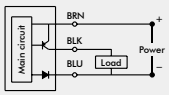
1M: L=1000mm
2M: L=2000mm
3M: L=3000mm
QD: M8, 3 Pin connector
EQD: M8, 3 Pin connect

* Special order is available.

Assembling style

Cylinder type	Mounting clamp
MCQI*, MCKQI*, MCBQI*, MCJI, MCGI, MGTB, MGTU, MGTX, METB	

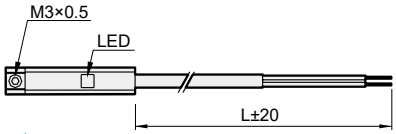
Specification

Model	RCI	RCI-N	RCI-P	RNI	RPI
Wiring	2 wire	3 wire		3 wire	
Switching logic	Normal open				
Switch Type	Reed switch	Reed switch NPN	Reed switch PNP	NPN current sinking	PNP current sourcing
Voltage range	5~240V DC/AC	10~30V DC		10~30V DC	
Current range	100mA max.	500mA max.		200mA max.	
Contact rating(*1)	10W max.			6W max.	
Current consumption	—	5 mA@24V DC max.		20 mA@24V DC max.	
Voltage drop	3.5V max.	0.1V@100mA max.		1.5V max.	
Leakage current	—	—	—	0.05mA max.	
Indicator	Red LED	Yellow LED		Red LED	Yellow LED
Cable	ø3,2C,PUR	ø3,3C,PUR		ø3,3C,PUR	
Temperature	-10~+70°C (No freezing)				
Shock (*2)	30G			50G	
Vibration (*3)	9G				
Protection classification	IEC 60529 IP67				
Protection circuit (*4)	1			2,3,4	
Weight	23 g (2m cable)				
Connect diagram					

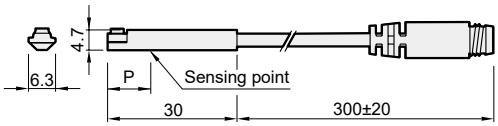
*1. Warning: Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.
*2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11ms each time.
*3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.
*4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression
*5. Caution for safety .

Dimension

Standard lead wire

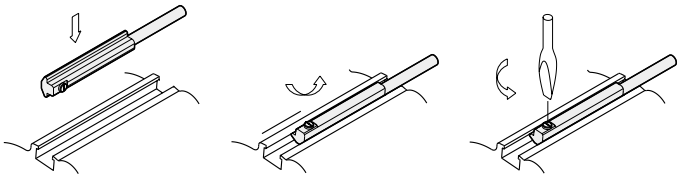


QD connector



Code / Model	P
RCI	13
RCI-N, RCI-P	10
RNI, RPI	8

Mounting



Wiring of the QD

- 2 wire QD wiring
- 2 wire EQD wiring
- 3 wire QD wiring

