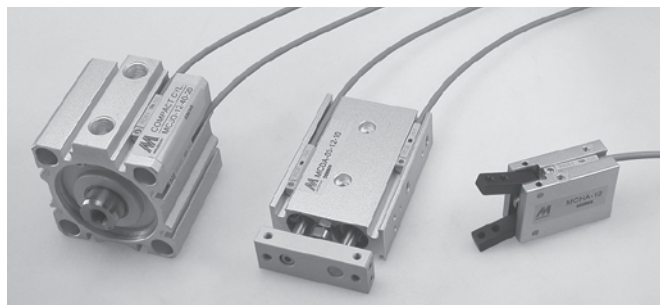


# RCE1 series

## SENSOR SWITCH



### Order example \* Special order is available.

RCE1 — □

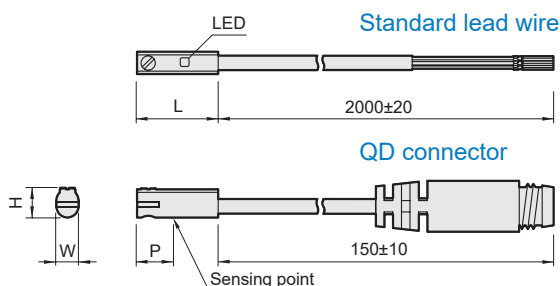
#### MODEL

RCE1: Reed Switch  
RDE1E: Non-contact  
RNE1E: NPN  
RPE1E: PNP

#### WIRE LENGTH

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

### Dimension



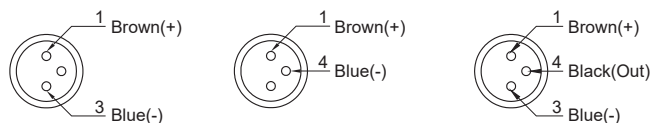
### Assembling style

Cylinder type	Mounting clamp
MCJA, MCJQ, MCKJQ, MCFA, MCGB, MCGS, MCGD, MCGJ, MCG3, MCDA, MCSH, MCSS, MCSQ, MCSF, MCRPMD, MCRA, MCKB, MCKC, MCHA, MCHB, MCHC, MSB*, MSL*	

\* RNE1E not applicable to MCDA-12.

### Wiring of the QD

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



Code Model	H	L	P	W
RCE1	4.65	22.0	12	4.1
RDE1E	5	14.2	6	4
RNE1E	5	14.2	6	4
RPE1E	5	14.2	6	4

### Specification

Model	RCE1	RDE1E	RNE1E	RPE1E
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.	80mA max.	
Switching rating (*1)	10W max.	1.5W max.	2.2W max.	
Current consumption (*5)	—		10 mA@24V DC max.	
Voltage drop (*5)	3.5V max.		0.5V@50mA max.	
Leakage current (*5)	—	0.1mA(40uA) max.	0.01mA max.	
Indicator (LED)	Red			
Cable	ø2.8,2C,PU	ø2.6,2C,PVC	ø2.6,3C,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	20 g (2m cable)			
Connect diagram				

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

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

\*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.