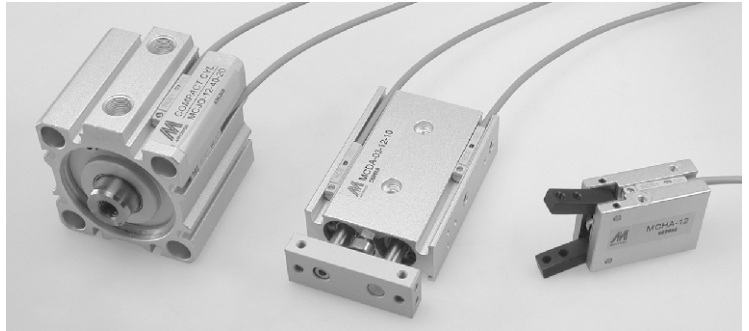
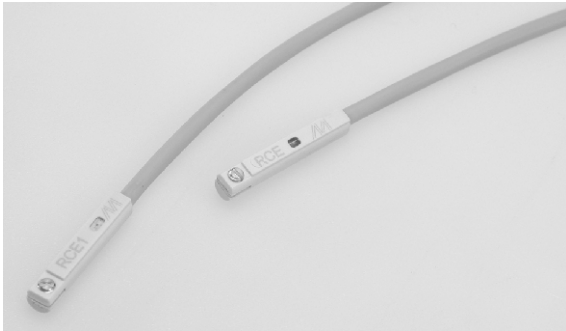


RCE / RCE1 series

SENSOR SWITCH



Mindman



Order example

RCE1 — □

MODEL

RCE : Reed Switch
RCE1 : Reed Switch
RNE : NPN
RPE : PNP
RDE : Non-contact
RDE-D : Non-contact, two indicators

WIRE LENGTH

Blank: L=2000mm
1M: L=1000mm
QD: M8 3PIN connector

※Special order is available.

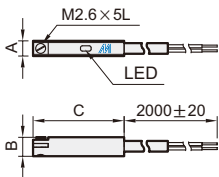
Assembling style

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

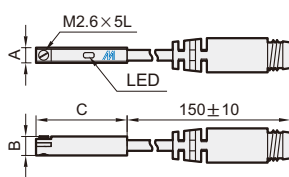
※RDE not applicable to MCSS-6 / -8

Dimension

Standard lead wire



QD connector



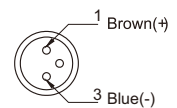
MODEL	A	B	C
RCE/ RDE/ RDE-D	4	5	24
RCE1/ RNE/ RPE	4.1	4.65	22

Specification

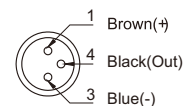
Model	RCE	RCE1	RDE	RDE-D	RNE	RPE
Wiring method	2 wire			3 wire		
Switching logic	SPST normally open			Solid state output, normally open		
Switch Type	Reed switch		Non-contact		NPN current sinking PNP current sourcing	
Operating voltage	5~220V DC/AC	5~120V DC/AC	10~28V DC		5~30V DC	
Switching current	50mA max.	100mA max.	50mA max.	80mA max.	50mA max.	
Switching rating(※1)	10W max.		1.5W max.	2W max.	1.5W max.	
Current consumption	—			10 mA@24V DC max.	12 mA@24V DC max.	
Voltage drop	3.5V max.		4V max.	0.5V max.	1.5V max.	
Leakage current	—		0.1mA max.	1mA max.	0.01mA max.	
Indicator (LED)	Red		Red/Green		Red	Green
Cable	φ 2.8,2C,PUR	φ 2.8,2C,PU	φ 2.8,2C,PUR		φ 3.0,3C,PU	
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	2,3,4	3,4		
Weight	20 g (2m cable)					
Connect diagram						

Wiring of the QD

● 2 wire QD wiring



● 3 wire QD wiring



※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 10-03-04.