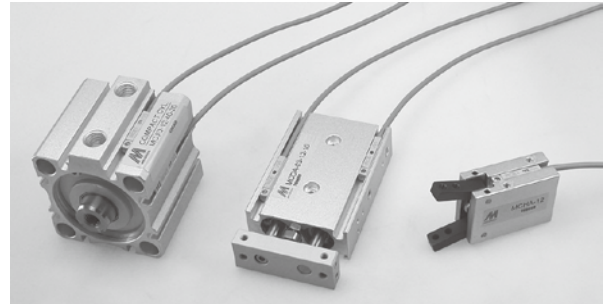


RCE / RCE1 series

SENSOR SWITCH



Order example

RCE1 — □

MODEL

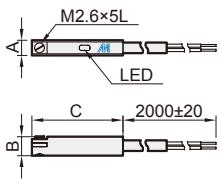
- RCE: Reed Switch
- RCE1: Reed Switch
- RNE: NPN
- RPE: PNP
- RDE: Non-contact
- RDE-D: Non-contact, two indicators * Special order is available.

WIRE LENGTH

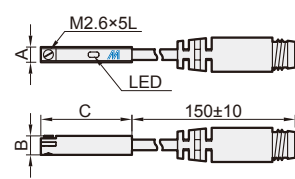
- Blank: L=2000mm
- 1M: L=1000mm
- QD: M8 3PIN connector
- EQD: M8 3PIN connector

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.	500mA 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	ø2.8,2C,PUR	ø2.8,2C,PU	ø2.8,2C,PUR		ø3.3, 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						

*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 the 10-3~4 page.

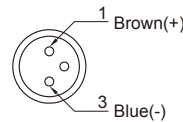
Assembling style

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

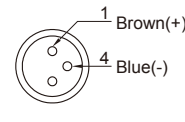
* RDE not applicable to MCSS-6/8, MCSQ.

Wiring of the QD

• 2 wire QD wiring



• 2 wire EQD wiring



• 3 wire QD wiring

