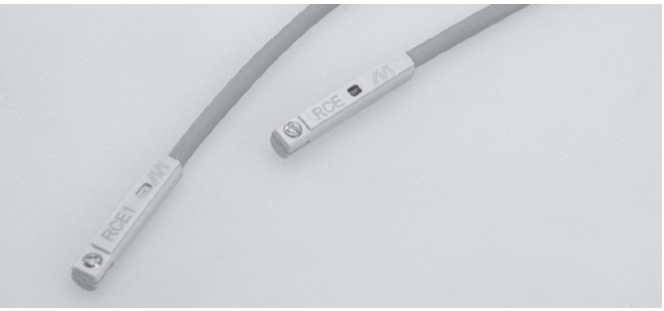
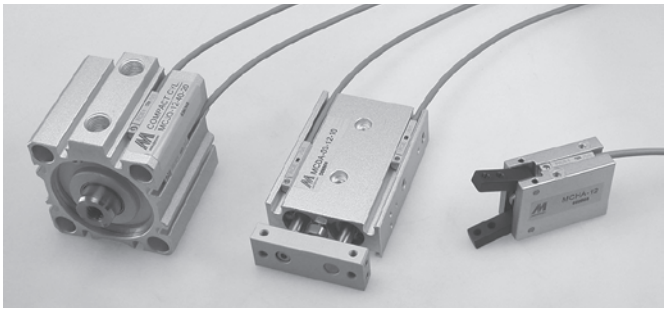
RCE series

SENSOR SWITCH





Order example

* Special order is available.

RCE — □

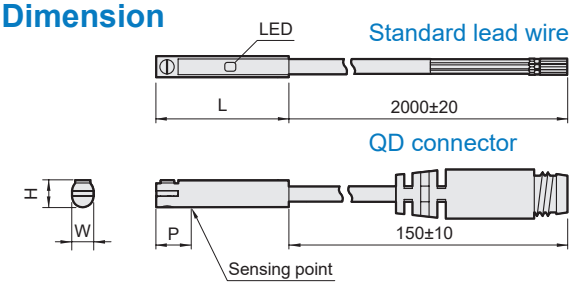
MODEL

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

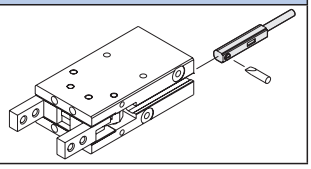
WIRE LENGTH

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

Dimension



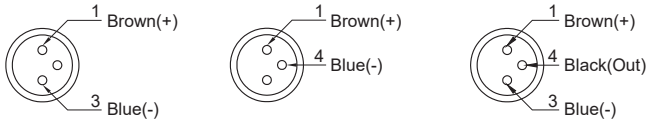
Assembling style

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*	

* **RDE** not applicable to **MCDA-12**, **MCSS-6/8**, **MCSQ**.

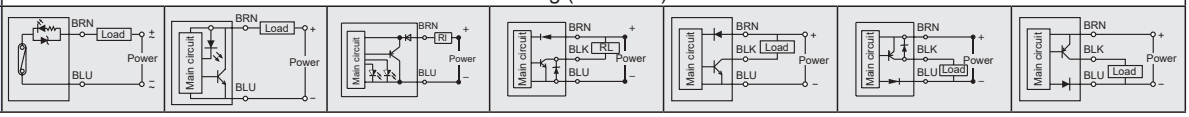
Wiring of the QD

● 2 wire QD wiring ● 2 wire EQD wiring ● 3 wire QD wiring



Code / Model	H	L	P	W
RCE	5	26	12.5	4
RDE, RDE-D	5	24	6	4
RNE, RPE	4.65	22	6	4.1
RNEE, RPEE	5	22	6	4

Specification

Model	RCE	RDE	RDE-D	RNE	RNEE	RPE	RPEE
Wiring method	2 wire			3 wire			
Switching logic	SPST N.O.	Solid state output, normally open					
Switch Type	Reed switch	Non-contact		NPN current sinking		PNP current sourcing	
Operating voltage	5~220V DC/AC	10~28V DC		5~30V DC			
Switching current	50mA max.	50mA max.	80mA max.	50mA max.	200mA max.	50mA max.	200mA max.
Switching rating(*1)	10W max.	1.5W max.	2W max.	1.5W max.	6W max.	1.5W max.	6W max.
Current consumption	—			10 mA@24V DC max.	6 mA@24V DC max.	12 mA@24V DC max.	6 mA@24V DC max.
Voltage drop	3.5V max.		4V max.	0.5V max.	0.5V @200mA max.	1.5V max.	0.5V @200mA 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,PUR		ø3, 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 page 7-8~9.