RCE series

SENSOR SWITCH





Order example

* Special order is available.

RCE — 2M

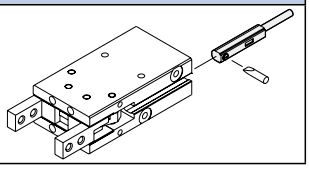
MODEL

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

WIRE LENGTH

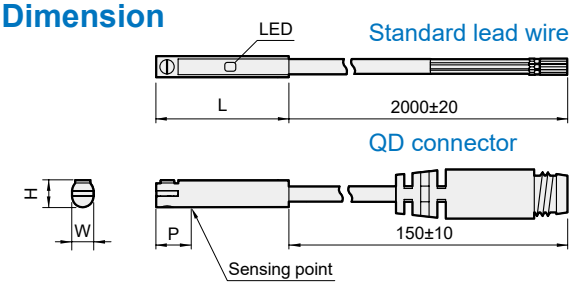
1M: L=1000mm
2M: L=2000mm
QD: M8, 3 Pin connector
EQD: M8, 3 Pin connector

Assembling style

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

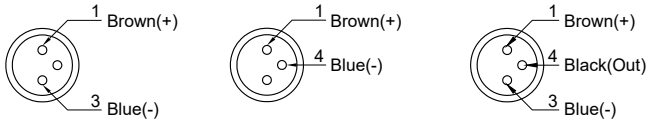
* **RDE** not applicable to **MCDA-12**, **MCSS-6/8**, **MCSQ**.

Dimension



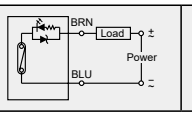
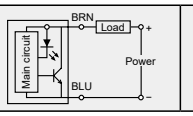
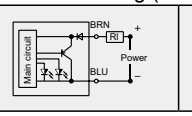
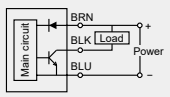
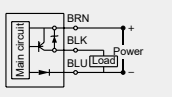
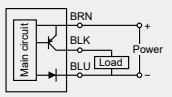
Wiring of the QD

● 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
RPE	4.65	22	6	4.1
RNEE, RPEE	5	24	6	4

Specification

Model	RCE	RDE	RDE-D	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.	200mA max.	50mA max.	200mA max.
Switching rating (*1)	10W max.	1.5W max.	2W max.	6W max.	1.5W max.	6W max.
Current consumption (*5)	—			6 mA@24V DC max.	12 mA@24V DC max.	6 mA@24V DC max.
Voltage drop (*5)	3.5V max.		4V max.	0.5V @200mA max.	1.5V max.	0.5V @200mA max.
Leakage current (*5)	—	0.1mA max.	1mA max.	0.01mA max.		
Indicator (LED)	Red		Red/Green (*6)	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. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 2M length. Voltage drop increases in pace with cable length.
*6. Red LED: unstable sensing range; Green LED: stable sensing range.
*7. Caution for safety .