

Cylinder switches

Type C

Solid state 5 mm

Cylinder switches are suitable for among others guide cylinders, stopper cylinders and pneumatic grippers.

Temperature range: -10 °C to + 70 °C

Material: PU & PVC



Order example

* Special order is available.

RCE1 □

MODEL

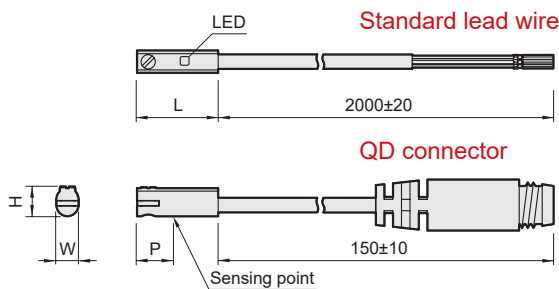
RCE1: Reed Switch
RDE1E: Non-contact
RNE1E: NPN
RPE1E: PNP

WIRE LENGTH

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

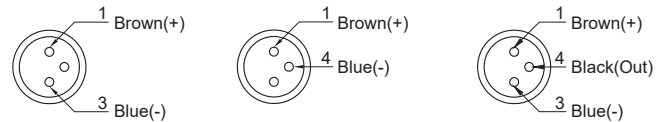


Dimension



Wiring of the QD/EQD

• 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.

*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.