RCA series

SENSOR SWITCH





Order example

* Special order is available.

RCA — 2M

MODEL

RCA: Reed switch
RDA: Non-contact
RNA: NPN
RNAE: NPN
RPA: PNP
RPAE: PNP

WIRE LENGTH

2M: L=2000mm
3M: L=3000mm
QD: M8, 3 Pin connector
EQD: M8, 3 Pin connector

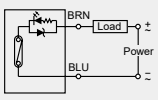
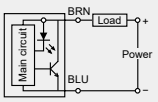
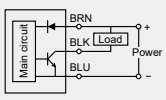
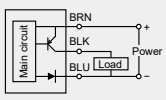
Switch holder / band

HV1

SWITCH HOLDER

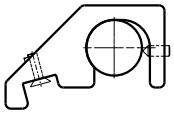
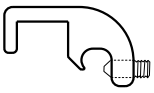
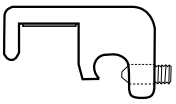
HA*: for MCQA, MCQV
HV*: for MCQA, MCQV, MCQV3, MCQV3L, MCBQV, MCBQV3, MCQN
HS*: for MSB*-ø50
PN-A*: for MCKA
PM*: for MCQA, MCQV

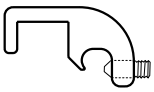
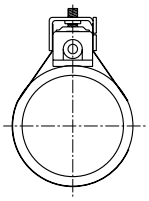
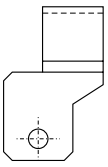
Specification

Model	RCA	RDA	RNA	RNAE	RPA	RPAE
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	5~240V DC/AC	5~30V DC				
Switching current	100mA max.	50mA max.	200mA max.			
Switching rating (*1)	10W max.	1.5W max.	6W max.			
Current consumption (*5)	—		15 mA@24V DC max.	6 mA@24V DC max.	15 mA@24V DC max.	6 mA@24V DC max.
Voltage drop (*5)	3.5V max.	3.7V max.	1.5V max.	0.5max.	1.5V max.	0.5max.
Leakage current (*5)	—	0.1mA(40uA) max.	0.01mA max.			
Indicator	Green LED	Red LED			Green LED	
Cable	ø4, 2C, PVC		ø4, 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	2,3,4	3,4	2,3,4	3,4
Weight	46 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. Caution for safety .

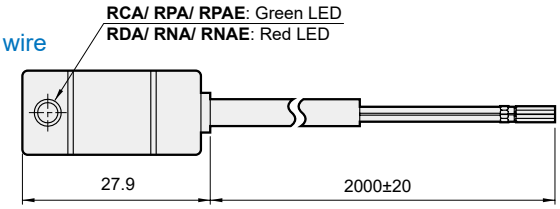
Assembling style

Cylinder type	MCQA					MCQV3 / MCBQV3			MCQV		
Mounting clamps	Hold					Hold					
Order	HV2	HV4	PM14	PM16	HA5	HV1	HV2	HV3	HV4	PM16	HA5
Cylinder tube I.D.	40,50,63	80,100	125	150	200	32,40	50,63	80,100	125	160	200
Pictures	HA* 					HV* 			PM* 		

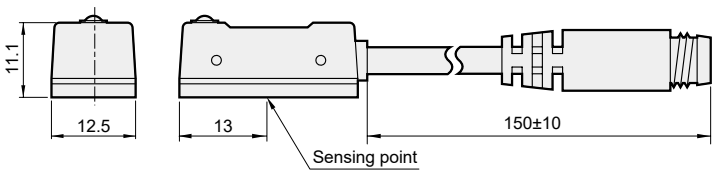
Cylinder type	MCBQV	MCQV3L		MCQN			MCKA	MSB* ø50
Mounting clamps	Hold	Hold		Hold			Band	Hold
Order	HV4	HV2	HV3	HV1	HV2	HV3	PN-A40	HS
Cylinder tube I.D.	125	63	80	40	50,63	80,100	40	50
Pictures	HV* 							

Dimension

Standard lead wire



QD connector



Wiring of the QD

- 2 wire QD wiring
- 2 wire EQD wiring
- 3 wire QD wiring

