

### Order example

\* Special order is available.

RCA — □

#### 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

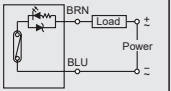
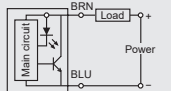
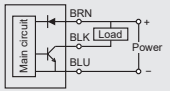
### Switch holder / band

HV1

#### SWITCH HOLDER

**HA\*:** for MCQA, MCQV  
**HV\*:** for MCQA, MCQV, MCQV2, MCQV3, MCQV2L, MCBQV, MCBQV2, MCBQV3, MCQN  
**HS\*:** for MSB\*-ø50  
**BGA\*:** for MCKG\*  
**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. \* 6. Caution for safety please refer to page 9-3~4.

\*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.

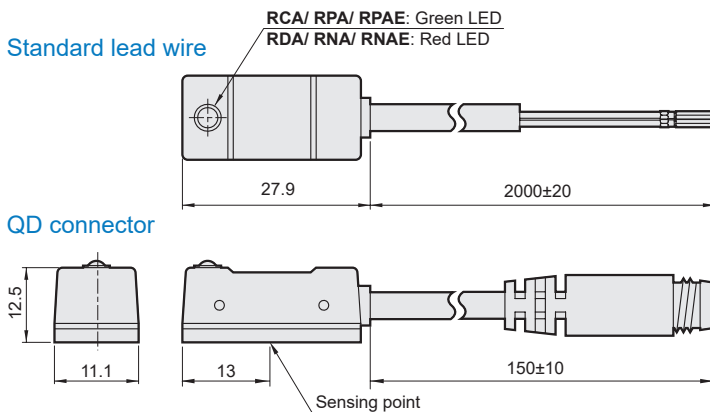
\*5. It bases on conditions of voltage 24V DC, ambient temp. 25°C and cable 2M length. Voltage drop increases in pace with cable length.

### Assembling style

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

Cylinder type	MCQV3L		MCQN			MCKG*		MCKA	MSB* ø50
Mounting clamps	Hold		Hold			Band		Band	Hold
Order	HV2	HV3	HV1	HV2	HV3	BGA50	BGA63	PN-A40	HS
Cylinder tube I.D.	63	80	40	50,63	80,100	50	63	40	50
Pictures									

### Dimension



### Wiring of the QD

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

