

### Order example

\* Special order is available.

RCA — □

#### MODEL

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

#### WIRE LENGTH

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

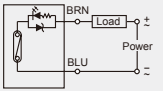
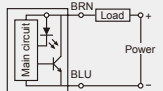
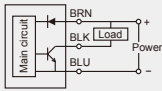
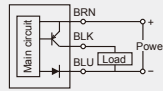
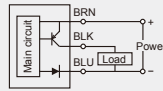
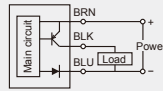
### Switch holder / band

HV1

#### SWITCH HOLDER

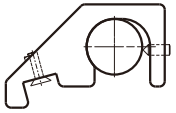
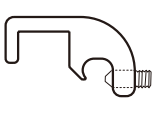
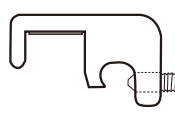
**HA\*:** for MCQA, MCQV  
**HV\*:** for MCQA, MCQV, MCQV2, MCQV3, MCQV2L, MCBQV, MCBQV2, MCBQV3, MCQN  
**HS\*:** for MSB\*-ø50  
**BGA\*:** for MCKG\*  
**PN-A\*:** for MCKA  
**PM\*:** for MCQA, MCQV

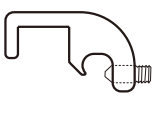
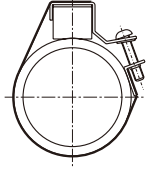
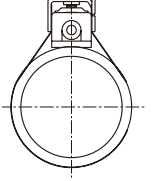
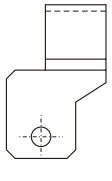
### Specification

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	—		15 mA@24V DC max.	6 mA@24V DC max.	15 mA@24V DC max.	6 mA@24V DC max.
Voltage drop	3.5V max.	3.7V max.	1.5V max.	0.5max.	1.5V max.	0.5max.
Leakage current	—	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. Caution for safety please refer to page 10-3~4.

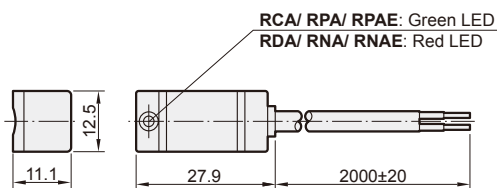
### Assembling style

Cylinder type	MCQA					MCQV2 / MCBQV2			MCQV			MCQV3/ MCBQV3
	Hold					Hold					Hold	
Order	HV2	HV4	PM14	PM16	HA5	HV1	HV2	HV3	HV4	PM16	HA5V	HV2
Cylinder tube I.D.	40,50,63	80,100	125	150	200	32,40	50,63	80,100	125	160	200	63
Pictures												

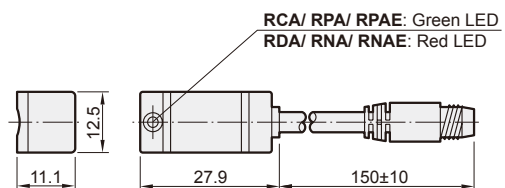
Cylinder type	MCBQV	MCQV2L		MCQN			MCKG*		MCKA	MSB* $\phi$ 50	
	Hold	Hold		Hold			Band		Band	Hold	
Order	HV4	HV2	HV3	HV1	HV2	HV3	BGA50	BGA63	PN-A40	HS	
Cylinder tube I.D.	125	63	80	40	50,63	80,100	50	63	40	50	
Pictures											

### Dimension

#### RCA/ RDA/ RNA/ RNAE/ RPA/ RPAE



#### RCA-QD/ RDA-QD/ RNA-QD/ RNAE-QD/ RPA-QD/ RPAE-QD



### Wiring of the QD

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

