



Order example

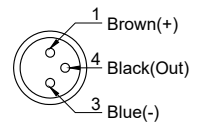
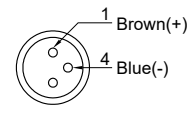
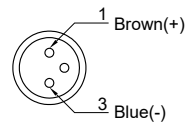
RDC V – 2M

Model	Auto switch type	Wire length
RDC: Non-contact RQC: NPN & PNP configurations*	Blank: Straight cable V: Angle cable	2M: L=2000mm QD: M8, 3 Pin connector EQD: M8, 3 Pin connector (Only for RDC)

* Selects the mode based on NPN or PNP wiring configuration.
Always turn off power before wiring; never work on live wires.

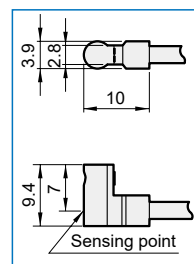
Wiring of the QD

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

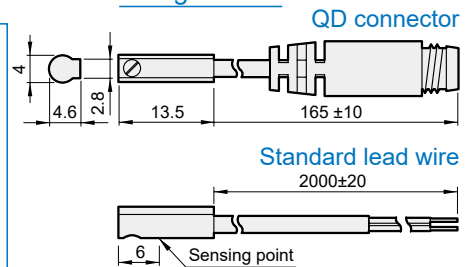


Dimension

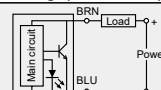
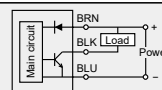
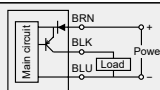
Angle cable



Straight cable



Specification

Model	RDC / RDCV	RQC / RQCV	
Wiring method	2 wire	3 wire	
Switching logic	Normally open		
Switch Type	Non-contact	NPN current sinking	PNP current sourcing
Operating voltage	5~30V DC		
Switching current	50mA max.	80mA max.	
Contact rating(*1)	1.5W max.	2.4W max.	
Current consumption (*5)	—	2mA @24V DC max.	
Voltage drop (*5)	4.0V@50mA max.	1.2V @ 80mA max.	
Leakage current (*5)	0.1mA max.	0.01mA max.	
Magnet requirement (*5,6)	40~1000 Gauss		
Indicator	Red LED		
Cable	ø2.6, 27AWG, Black, PVC		
Operating Frequency	1000 Hz		
Temperature range	-10~+70°C (No freezing)		
Shock (*2)	50G		
Vibration (*3)	9G		
Enclosure classification	IEC 60529 IP67		
Protection circuit (*4,7)	3, 4, 5	2, 3, 4	
Weight	17 g (2m cable)	19 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=Sensor thermal protection.

*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.

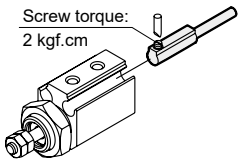
*6. Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*7. The LED will flash when short-circuit or sensor thermal protection is ON.

*8. Please turn off the power before installing or changing the output contact, and ensure the load is installed according to the wiring diagram to prevent abnormal operation or product malfunction.

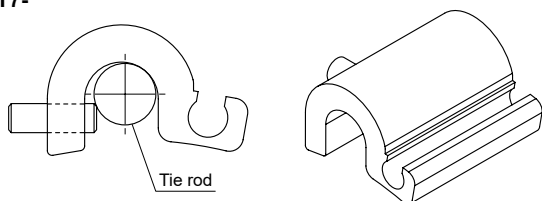
*9. Caution for safety 

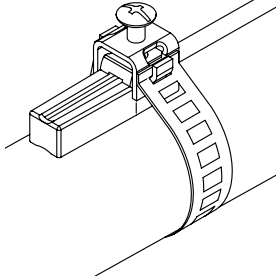
Assembling style

Cylinder model
MAM*, MCJU, MCFB, MCMJP, MCDJ, MGT*-32~63, MCSF-5, MCRPM-20~40, MCRPMD-10, MCRPMS, MSBE, MCRJ-S, MCRC, MCHC-6/32/40, MCHCJ, MCHD, MCHH, MCHG2, MCHY2, METI, MEQI, MEGT, MEJQ, MESF2, MESBE
Direct mounting
 Screw torque: 2 kgf.cm

Model	Tube I.D.	Holder	Tie rod
MCQA	40	DT7-1	ø7.1
	50		
	63		
	80	DT7-3	ø10.8
	100		
	125		
MCQN	150	DT7-1	ø7.1
	40		
	50		
	63		
	80		
MCQV3 MCBQV3	100	DT7-2	ø8.9
	32		
	40		
	50		
	63		
	80		
MCQV3L	125	DT7-1	ø7.1
	80		
MCQV	160	DT7-2	ø10.8
	200		
	250		
MCBQV	125	DT7-3	ø10.8

DT7-*



Model	Tube I.D.	Holder with band
MCMA	16	BKC-1 (Not applicable for Angle cable(V)) 
	20	
	25	
	32	
	40	
MCMB MCMBR*	20	
	25	
	32	
	40	
MCKMB	20	
	25	
	32	
	40	
MCMBL	32	
	40	
MCMI	8	
	10	
	12	
	16	
	20	
	25	
	32	
	40	
	20	
	25	
MCBBI MGTK/ B/ U	20	
	25	
MCMIS	10	
	12	
	16	
	20	
	25	
MCKMI	16	
	20	
	25	
MCMJ	6	
	10	
	16	
MCCG MCCN	20	
	25	
	32	
	40	
	50	
	63	
MCCH	25	
	32	
MCKA	40	

Mounting steps

