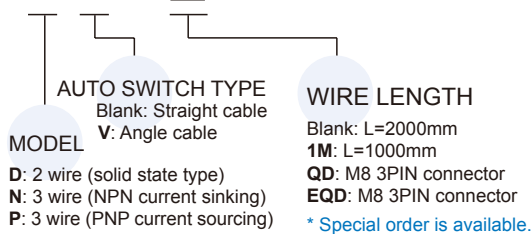




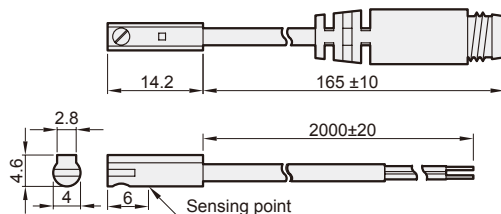
Order example

RDFV — □

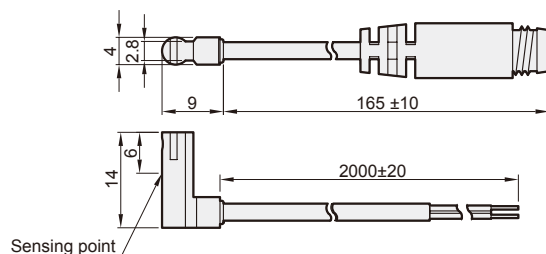


Dimension

RDF / RNF / RPF
RDF-QD / RNF-QD / RPF-QD

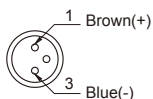


RDFV / RNFV / RPFV
RDFV-QD / RNFV-QD / RPFV-QD

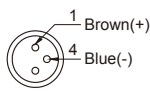


Wiring of the QD

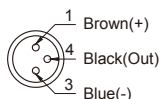
• 2 wire
QD wiring



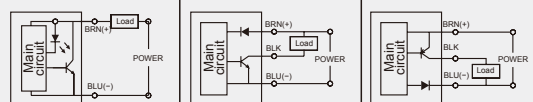
• 2 wire
EQD wiring



• 3 wire
QD wiring



Specification

Model	RDF / RDFV	RNF / RNFV	RPF / RPFV
Wiring method	2 wire	3 wire	
Switching logic	Solid state output, Normally open		
Switch Type	—	NPN current sinking	PNP current sourcing
Operating voltage	10~28V DC	4.5~28V DC	
Switching current	4~20mA max.	50mA max.	
Contact rating(*1)	0.6W max.	1.5W max.	
Current consumption	—	10mA @24V max.(Switch active)	
Voltage drop	3.5V max.	0.5V @ 50mA max.	
Leakage current	0.8mA max.	0.01mA max.	
Indicator	Red LED		
Cable	ø2.6, 2C, PVC	ø2.6, 3C, PVC	
Temperature range	-10°C~+70°C (No freezing)		
Shock (*2)	50G		
Vibration (*3)	9G		
Enclosure classification	IEC 60529 IP67		
Protection circuit (*4)	4	3, 4	
Weight	12.8 g (1m cable) / 23.8 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	MCJU, MCFB, MCMJP, MCDJ, MCHD, MCHU, MCHG2, MCHX, MCRQ, MCRQ-S, MCHJ, MCHS, MCHT
Mounting clamp	