RDGV series

SENSOR SWITCH

mindman





Order example

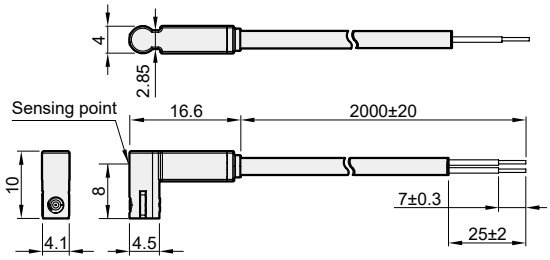
RDGV – 2M

SWITCH TYPE	AUTO SWITCH TYPE	WIRE LENGTH
D: Non-contact **N**: NPN **P**: PNP	**V**: Angle cable	**1M**: L=1000mm **2M**: L=2000mm **QD**: M8, 3 Pin connector **EQD**: M8, 3 Pin conncetor

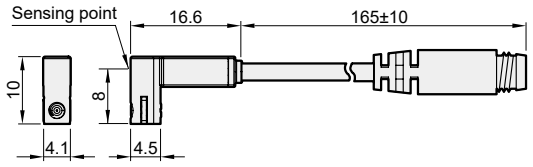
* Special order is available.

Dimension

RDGV / RNGV / RPGV

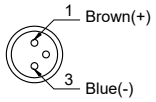


RDGV-QD / RNGV-QD / RPGV-QD

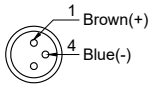


Wiring of the QD

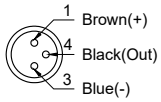
- 2 wire QD wiring



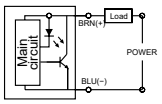
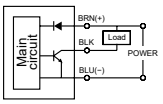
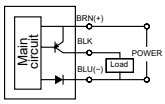
- 2 wire EQD wiring



- 3 wire QD wiring



Specification

Model	RDGV	RNGV	RPGV
Wiring method	2 wire	3 wire	
Switching logic	Solid state output, Normally open		
Switch type	Non-contact	NPN current sinking	PNP current sourcing
Operating voltage	10~28V DC	5~28V DC	
Switching current	4~20mA max.	50mA max.	
Contact rating (*1)	0.6W max.	1.5W max.	
Current consumption (*5)	—	10mA @24V DC max.	
Voltage drop (*5)	3.5V max.	0.5V @ 50mA max.	
Leakage current (*5)	0.8mA max.	0.01mA max.	
Indicator	Red LED		
Cable	ø2.6, 2C, PVC	ø2.6, 3C, PVC	
Operating Frequency	1000 Hz		
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	23 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	Mounting clamp
MCJU, MCFB, MCMJP, MCGS, MCDJ	