

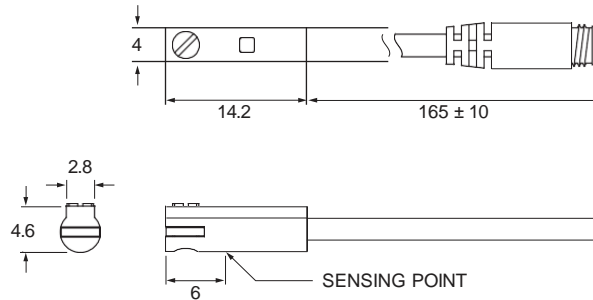
# G-36 SERIES



Compact Size

## Dimensions

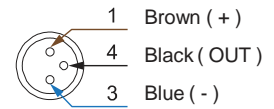
G-36DE, G-36NE, G-36PE /  
G-36DE-QD, G-36NE-QD, G-36PE-QD



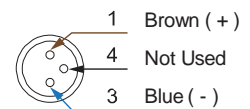
Unit : mm

## QD Pinout

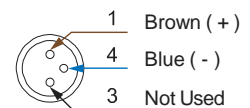
### 3 wire QD wiring



### 2 wire QD wiring



### 2 wire EQD wiring



## Specifications

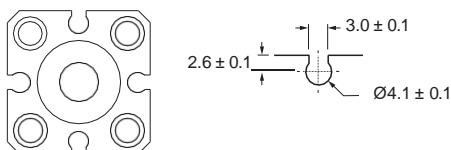
MODEL	G-36DE	G-36NE	G-36PE
Connect Diagram			
Characteristics			
Wiring Method	2-Wire type	3-Wire type	
Switching Logic	Solid State Output, Normally Open		
Sensor Type	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	5 ~ 30 V DC		
Switching Current	50 mA max.		
Contact Rating *1	1.5 W max.		
Current Consumption *2	-	10 mA @ 24 V DC max.	
Voltage Drop *2	3.5 V max.	0.5 V @ 50 mA max.	
Leakage Current *2	0.1 mA ( 40 uA ) max.	0.01 mA max.	
Indicator	Red LED		
Lead Wire	Ø2.6 PVC - 26AWG ( 0.15 mm <sup>2</sup> ) - 2	Ø2.6 PVC - 26AWG ( 0.15 mm <sup>2</sup> ) - 3 cores	
Operating Frequency	cores	1000 Hz max.	
Magnet Requirement *2, 3		40 ~ 1000 Gauss	
Temperature Range	-10 ~ 70 °C		
Shock *4	50 G		
Vibration *5	9 G		
Enclosure	IEC 60529 IP67		
Protection Circuit *6	3, 4		

### NOTE

\*1 : WARNING : Never exceed rating ( Watt = Voltage × Amperage ).  
Permanent damage to sensor will occur.  
\*2 : It bases on conditions of voltage 24 V DC, ambient temp. 25 °C and 2 meters cable  
of sensor. Voltage drop increases in pace with cable length.  
\*3 : Measuring standard target : Ø15.5 × Ø8 × 5t ( Anisotropy rubber magnet )

\*4 : Sin wave / X, Y, Z 3 directions / 3 times each direction / 11 ms each time.  
\*5 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz ( Sweep 1 min ) / X, Y, Z 3 directions  
/ 1 hour each time.  
\*6 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

## Groove Dimensions



Unit : mm

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