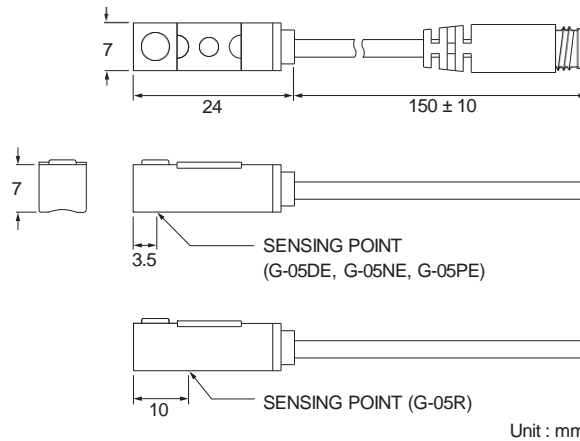


# G-05 SERIES



## Dimensions

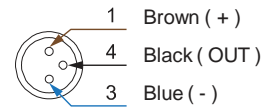
G-05R, G-05DE, G-05NE, G-05PE /  
G-05R-QD, G-05DE-QD, G-05NE-QD, G-05PE-QD



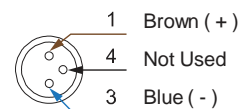
Unit : mm

## QD Pinout

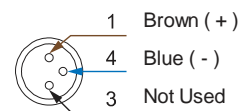
### 3 wire QD wiring



### 2 wire QD wiring



### 2 wire EQD wiring



## Specifications

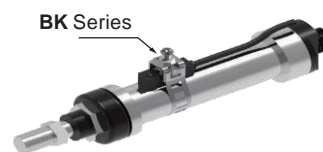
MODEL	G-05R	G-05DE	G-05NE	G-05PE
Connect Diagram				
Characteristics	2-Wire type		3-Wire type	
Wiring Method	2-Wire type		3-Wire type	
Switching Logic	SPST, Normally Open		Solid State Output, Normally Open	
Sensor Type	Reed Switch	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	5 ~ 240 V DC / AC		5 ~ 30 V DC	
Switching Current	100 mA max.	50 mA max.	200 mA max.	
Contact Rating *1	10 W max.	1.5 W max.	6 W max.	
Current Consumption *2			6 mA @ 24 V DC max.	
Voltage Drop *2	3.5 V max.	3.7 V max.	0.5 V @ 200 mA max.	
Leakage Current *2	-	0.1 mA (40 uA) max.	0.01 mA max.	
Indicator	Red LED			Green LED
Lead Wire	Ø2.8 PVC - 26 AWG ( 0.15 mm <sup>2</sup> ) - 2 cores		Ø2.8 PVC - 24 AWG ( 0.22 mm <sup>2</sup> ) - 3 cores	
Operating Frequency	200 Hz		1000 Hz max.	
Magnet Requirement *2, 3	55 Gauss		40 ~ 1000 Gauss	
Temperature Range	-10 ~ 70 °C			
Shock *4	30 G		50 G	
Vibration *5	9 G			
Enclosure	IEC 60529 IP67			
Protection Circuit *6	1		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

## Clamp



## Gentle Automatic Solution Sdn Bhd

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