

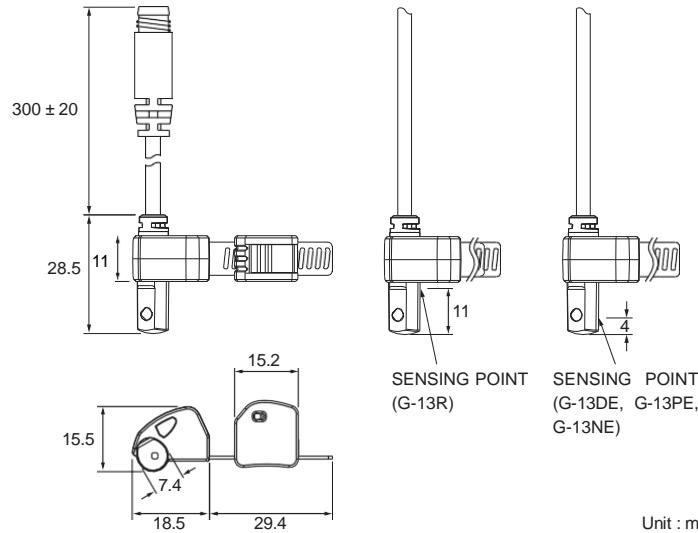
G-13 SERIES



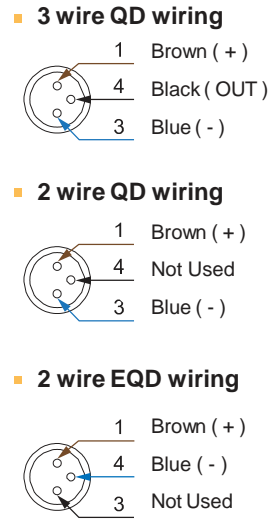
Patented

Dimensions

G-13R, G-13DE, G-13NE, G-13PE /
G-13R-QD, G-13DE-QD, G-13NE-QD, G-13PE-QD



QD Pinout



Specifications

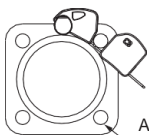
MODEL	G-13R	G-13DE	G-13NE	G-13PE
Connect Diagram				
Characteristics	2-Wire Type		3-Wire Type	
Wiring Method	2-Wire Type		3-Wire Type	
Switching Logic	SPST, Normally Open	Solid State Output, Normally Open		
Sensor Type	Reed Switch	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	5 ~ 240 V 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	Ø3.3 PVC - 24 AWG (0.22 mm ²) - 2 cores		Ø3.3 PVC - 24 AWG (0.22 mm ²) - 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



Applicable rod diameter Ø6 ~ Ø16
(Using ISO Tie-Rod cylinder range Ø32 ~ Ø200)



Hex key Size: 2 mm

Unit: mm