

G-16 SERIES

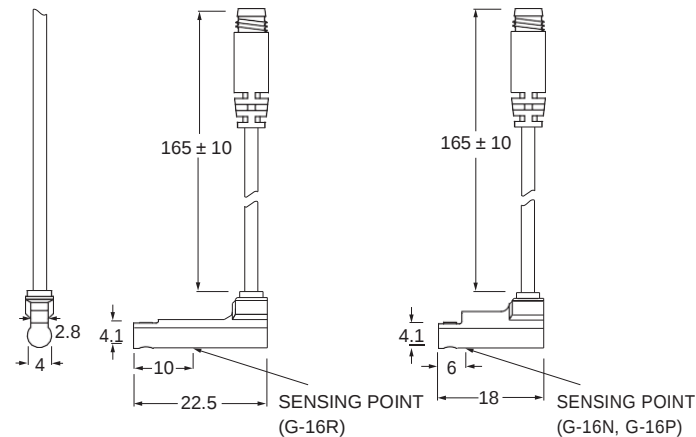
Magnetic Sensor



Dimensions



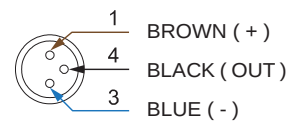
G-16R, G-16N, G-16P /
G-16R-QD, G-16N-QD, G-16P-QD



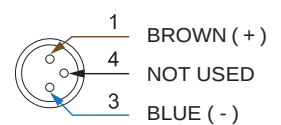
Unit : mm

QD Pinout

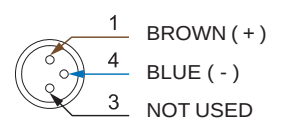
3 wire QD wiring



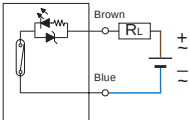
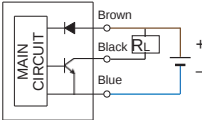
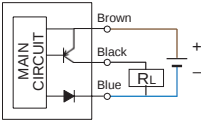
2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	G-16R	G-16N	G-16P
Connect Diagram			
	Characteristics		
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 ~ 120 V DC / AC	5 ~ 30 V DC	
Switching Current	100 mA max.	50 mA max.	
Contact Rating ※1	6 W max.	1.5 W max.	
Current Consumption	-	7 mA @ 24 V DC max.	9 mA @ 24 V DC max.
Voltage Drop	3.5 V max.	1.5 V @ 50 mA max.	
Leakage Current	-	0.01 mA max.	
Indicator	Red LED		Green LED
Cable	Ø2.8 PUR - 26 AWG (0.15 mm²) - 2 cores		Ø2.8 PUR - 26 AWG (0.15 mm²) - 3 cores
Operating Frequency	200 Hz	1000 Hz	
Magnet Requirement ※2	70 Gauss	40 Gauss	
Temperature Range	-10 ~ 70°C		
Shock ※3	30 G	50 G	
Vibration ※4	9 G		
Enclosure Classification	IEC 60529 IP67		
Protection Circuit ※5	1	3, 4	

NOTE

※1 : WARNING : Never exceed rating (Watt = Voltage x Amperage).
Permanent damage to sensor will occur.

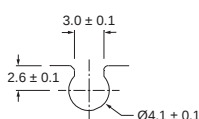
※2 : Measuring standard target : Ø15.5 × Ø8 × 5t (Anisotropy rubber magnet)

※3 : Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.

※4 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X , Y , Z 3 directions / 1 hour each time.

※5 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Unit: mm