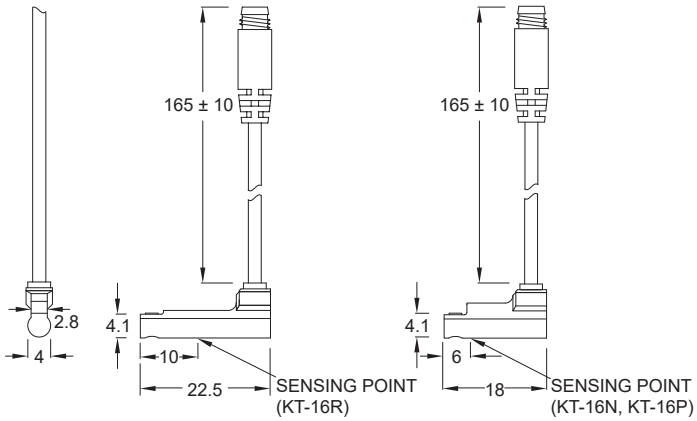
KT-16 SERIES

Dimensions

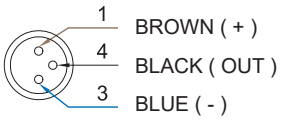
KT-16R, KT-16N, KT-16P /
KT-16R-QD, KT-16N-QD, KT-16P-QD



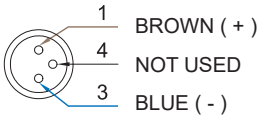
Unit : mm

QD Pinout

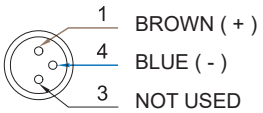
- **3 wire QD wiring**



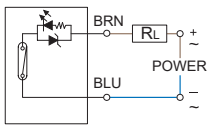
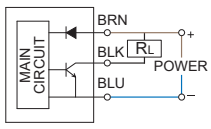
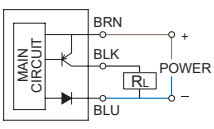
- **2 wire QD wiring**



- **2 wire EQD wiring**



Specifications

MODEL	KT-16R	KT-16N	KT-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, 2C, PUR	ø2.8, 3C, PUR	
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 demage to sensor will occur.

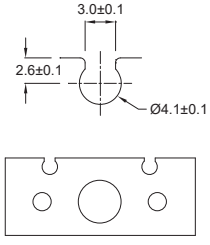
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

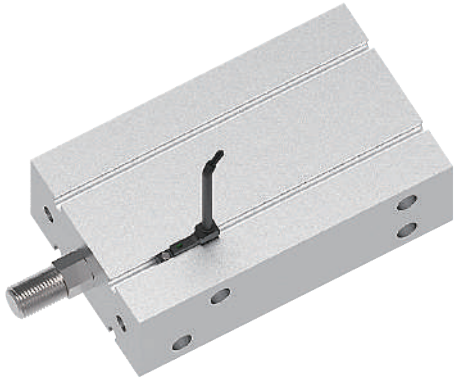
*3 : Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.

*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