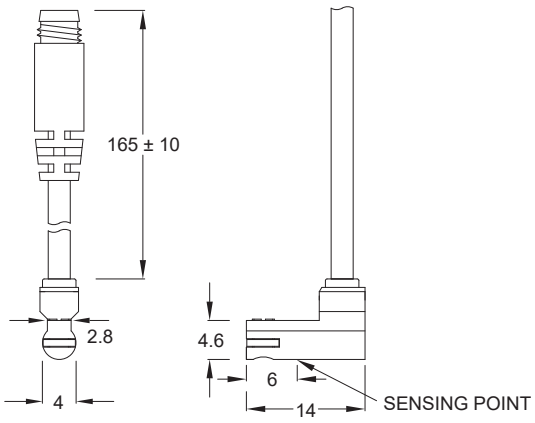
KT-37 SERIES

RoHS

Compact Size

Dimensions

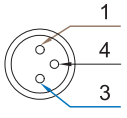
KT-37D, KT-37DE, KT-37N, KT-37NE, KT-37P, KT-37PE, / KT-37D-QD, KT-37DE-QD, KT-37N-QD, KT-37NE-QD, KT-37P-QD, KT-37PE-QD



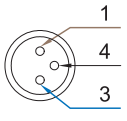
Unit : mm

QD Pinout

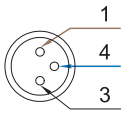
- **3 wire QD wiring**



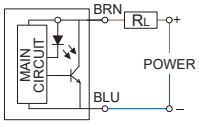
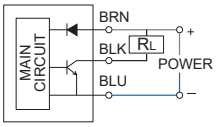
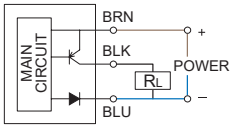
- **2 wire QD wiring**



- **2 wire EQD wiring**



Specifications

MODEL	KT-37D	KT-37DE	KT-37N	KT-37NE	KT-37P	KT-37PE
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	10 ~ 28 V DC	5 ~ 30 V DC	4.5 ~ 28 V DC	5 ~ 30 V DC	4.5 ~ 28 V DC	5 ~ 30 V DC
Switching Current	4 ~ 20 mA max.	50 mA max.				
Contact Rating *1	0.6 W max.	1.5 W max.				
Current Consumption	-	10 mA @ 24 V DC max.				
Voltage Drop	3.5 V max.	0.5 V @ 50 mA max.				
Leakage Current	0.8 mA max.	0.1 mA (40 uA) max.	0.01 mA max.			
Indicator	Red LED					
Cable	ø2.6, 2C, PVC	ø2.6, 3C, PVC				
Operating Frequency	1000 Hz max.					
Magnet Requirement *2	40 Gauss	40 ~ 1000 Gauss	40 Gauss	40 ~ 1000 Gauss	40 Gauss	40 ~ 1000 Gauss
Temperature Range	-10 ~ 70 ˚C					
Shock *3	50 G					
Vibration *4	9 G					
Enclosure Classification	IEC 60529 IP67					
Protection Circuit *5	4	3, 4				

NOTE:

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

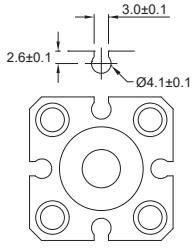
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

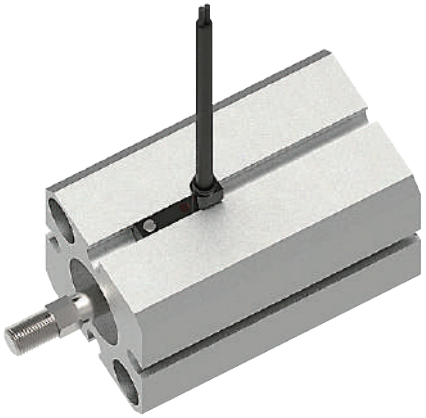
*3 : Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.

*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