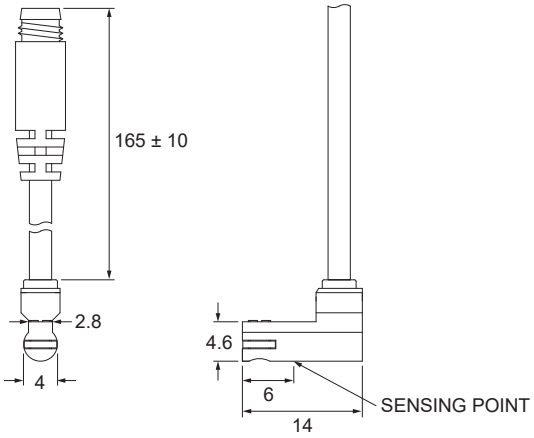
KT-37 SERIES

RoHS

Compact Size

Dimensions

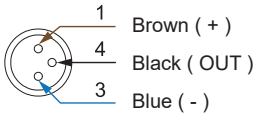
KT-37DE, KT-37NE, KT-37PE /
KT-37DE-QD, KT-37NE-QD, KT-37PE-QD



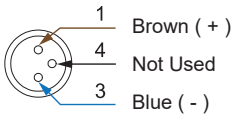
Unit : mm

QD Pinout

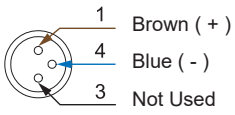
- **3 wire QD wiring**



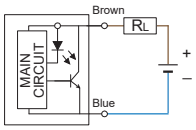
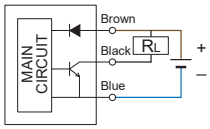
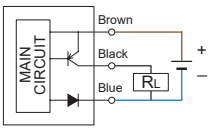
- **2 wire QD wiring**



- **2 wire EQD wiring**



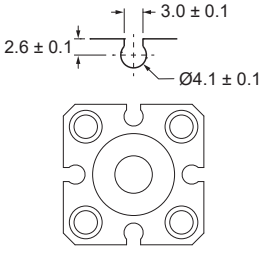
Specifications

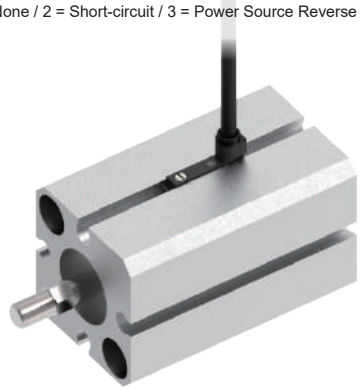
MODEL	KT-37DE	KT-37NE	KT-37PE
Connect Diagram / Characteristics			
Wiring Method	2-Wire type	3-Wire type	
Switching Logic	Solid State Output, Normally Open		
Sensor Type	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	5 ~ 30 V DC		
Switching Current	50 mA max.		
Contact Rating ※1	1.5 W max.		
Current Consumption ※2	-	10 mA @ 24 V DC max.	
Voltage Drop ※2	3.5 V max.	0.5 V @ 50 mA max.	
Leakage Current ※2	0.1 mA (40 uA) max.	0.01 mA max.	
Indicator	Red LED		
Lead Wire	Ø2.6 PVC - 26 AWG (0.15 mm²) - 2 cores	Ø2.6 PVC - 26 AWG (0.15 mm²) - 3 cores	
Operating Frequency	1000 Hz max.		
Magnet Requirement ※2, 3	40 ~ 1000 Gauss		
Temperature Range	-10 ~ 70 °C		
Shock ※4	50 G		
Vibration ※5	9 G		
Enclosure	IEC 60529 IP67		
Protection Circuit ※6	3, 4		

NOTE

※1 : WARNING : Never exceed rating (Watt = Voltage × Amperage).
Permanent demage 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

Groove Dimensions





Unit : mm