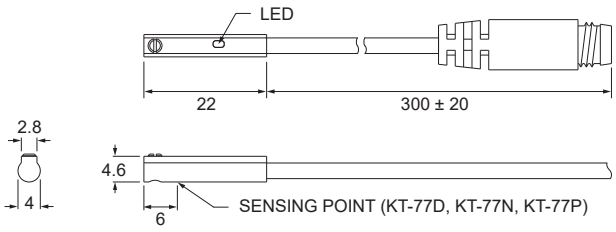
KT-77 SERIES

- Dual Color LED allow more precise positioning

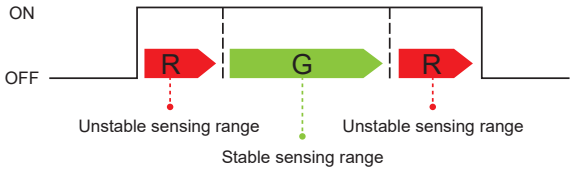
Dimensions

KT-77D, KT-77N, KT-77P /
KT-77D-QD, KT-77N-QD, KT-77P-QD



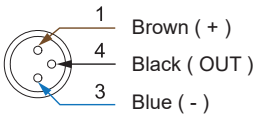
Unit : mm

SW Out

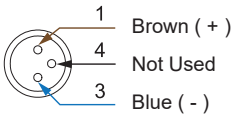


QD Pinout

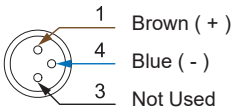
3 wire QD wiring



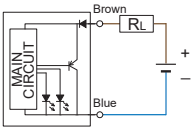
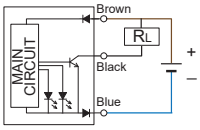
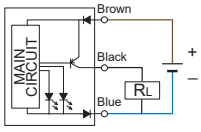
2 wire QD wiring



2 wire EQD wiring



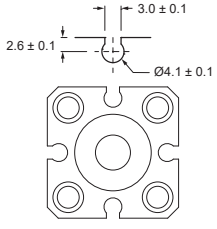
Specifications

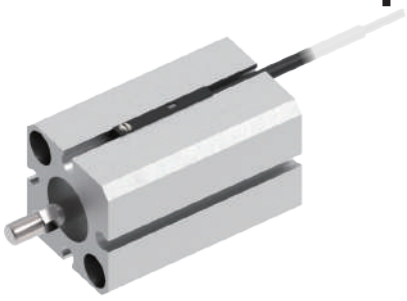
MODEL	KT-77D	KT-77N	KT-77P
Connect Diagram / Characteristics			
Wiring Method	2-Wire Type	3-Wire Type	
Switching Logic	Solid State Output, Normally Open		
Sensor Type	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	10 ~ 28 V DC		
Switching Current	80 mA max.		
Contact Rating ※1	2 W max.		
Current Consumption ※2	-	10 mA @ 24 V DC max.	
Voltage Drop ※2	4 V max.	1.5 V max.	
Leakage Current ※2	1 mA max.	0.05 mA max.	
Indicator	Red LED : unstable sensing range ; Green LED : stable sensing range		
Lead Wire	Ø2.8 PUR - 26 AWG (0.15 mm²) - 2 cores	Ø2.8 PUR - 26 AWG (0.15 mm²) - 3 cores	
Operating Frequency	1000 Hz		
Magnet Requirement ※2, 3	85 Gauss		
Temperature Range	-10 ~ 60 °C		
Shock ※4	50 G		
Vibration ※5	9 G		
Enclosure	IEC 60529 IP67		
Protection Circuit ※6	2, 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





Clamp

Unit : mm