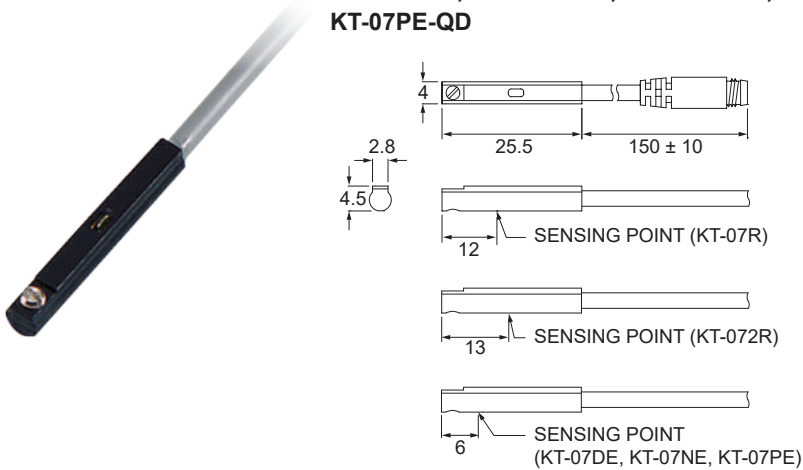


KT-07 SERIES



Dimensions

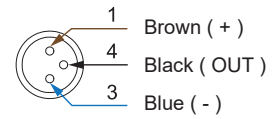
KT-07R, KT-072R, KT-07DE, KT-07NE, KT-07PE /
KT-07R-QD, KT-072R-QD, KT-07DE-QD, KT-07NE-QD,
KT-07PE-QD



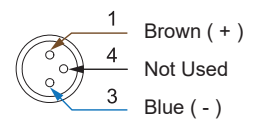
Unit : mm

M8 QD Pinout

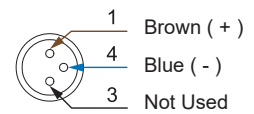
3 wire QD wiring



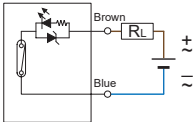
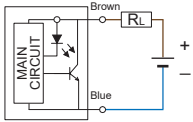
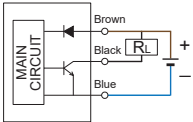
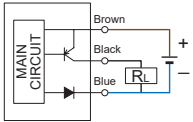
2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-07R		KT-072R	KT-07DE	KT-07NE	KT-07PE
Connect Diagram						
	Characteristics					
Wiring Method	2-Wire Type				3-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 ~ 240 V DC / AC	5 ~ 30 V DC			
Switching Current	100 mA max.			50 mA max.	200 mA max.	
Contact Rating ※1	10 W max.			1.5 W max.	6 W max.	
Current Consumption ※2	-			6 mA @ 24 V DC max.		
Voltage Drop ※2	3.5 V max.			3.7 V max.	0.5 V @ 200 mA max.	
Leakage Current ※2	-			0.1 mA (40 uA) max.	0.01 mA max.	
Indicator	Red LED	Green LED	Red LED		Green LED	
Lead Wire	Ø2.8 PUR - 26 AWG (0.15 mm ²) - 2 cores				Ø2.8 PUR - 26 AWG (0.15 mm ²) - 3 cores	
Operating Frequency	200 Hz			1000 Hz max.		
Magnet Requirement ※2, 3	70 Gauss			40 ~ 1000 Gauss		
Temperature Range	-10 ~ 70 °C					
Shock ※4	30 G			50 G		
Vibration ※5	9 G					
Enclosure	IEC 60529 IP67					
Protection Circuit ※6	1			3, 4		

NOTE

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

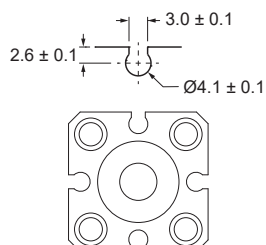
※3 : Measuring standard target : Ø15.5 × Ø8 × 5t (Anisotropy rubber magnet)

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

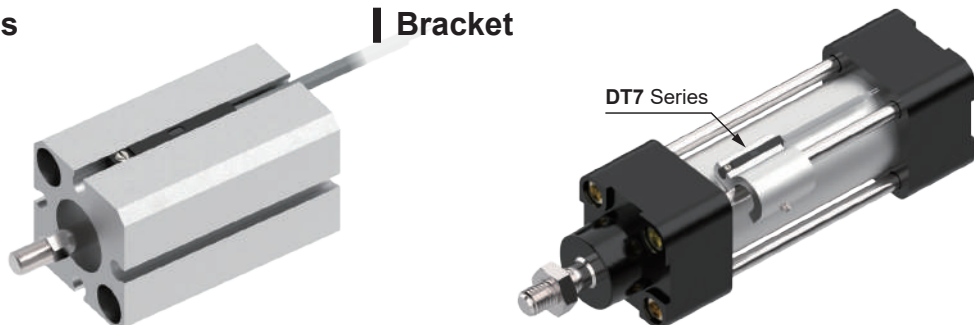
※5 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X, Y, Z 3 directions / 1 hour each time.

※6 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Bracket



Unit : mm