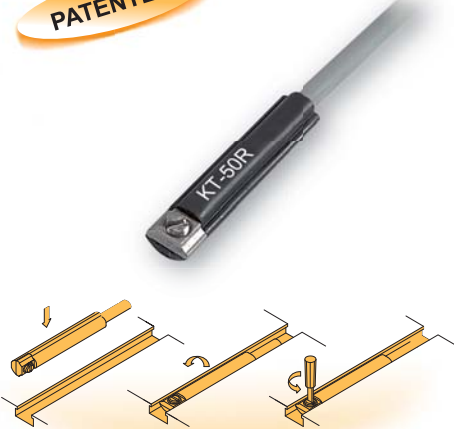


# KT-50 SERIES

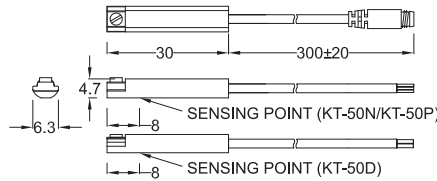


**PATENTED**

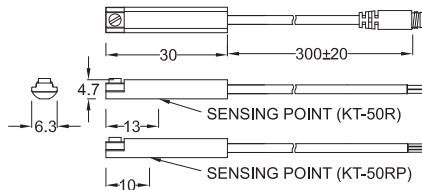


## ■ DIMENSIONS

KT-50N, KT-50P, KT-50D / KT-50N-QD, KT-50P-QD, KT-50D-QD

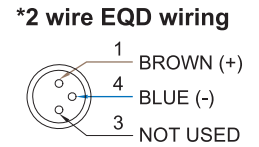
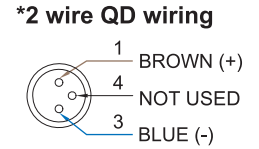
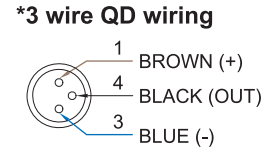


KT-50R, KT-50RP / KT-50R-QD, KT-50RP-QD



Unit:mm

## ■ QD PINOUT

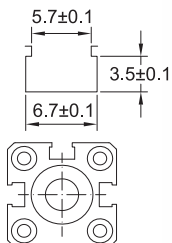


## ■ SPECIFICATIONS

TYPE	KT-50R	KT-50D	KT-50N	KT-50P	KT-50RP
<b>CONNECT DIAGRAM</b>					
<b>CHARACTERISTICS</b>					
Wiring Method	2-Wire Type		3-Wire Type		
Switching Logic	SPST, Normally Open	-	Solid State Output, Normally Open		SPST, Normally Open
Sensor Type	Reed Switch	-	NPN Current Sinking	PNP Current Sourcing	Reed Switch
Operating Voltage	5~240V DC/AC	10~28V DC	10~30V DC		10~30V DC/AC
Switching Current	100mA max.	50mA max.	200mA. max		500mA. max
Contact Rating (*1)	10W max.	1.5W max.	6W max.		10W max.
Current Consumption	-		20mA @ 24V DC max.		5mA @ 24V DC max.
Voltage Drop	3.0V max.	3.5V max.	1.5V max.		0.1V @ 100mA max.
Leakage Current	-	0.8mA max.	0.05mA max.		-
Indicator	Red LED			Yellow LED	
Cable	ø3, 2C, PUR		ø3, 3C, PUR		
Operating Frequency	200Hz	-	1000Hz		200Hz
Magnet Requirement (*2)	-		70Gauss		
Temperature Range	-		-10~70°C		
Shock (*3)	30G	-	50G		30G
Vibration (*4)	-		9G		
Enclosure Classification	IEC 60529 IP67				
Protection Circuit (*5)	1	2,4	2,3,4		1

- NOTE:
1. WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent damage to sensor will occur.
  2. Measuring standard target: ø15.5Xø8X5t (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 / 10Hz~55Hz~10Hz (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 ■ CLAMP / BRACKET



Unit:mm