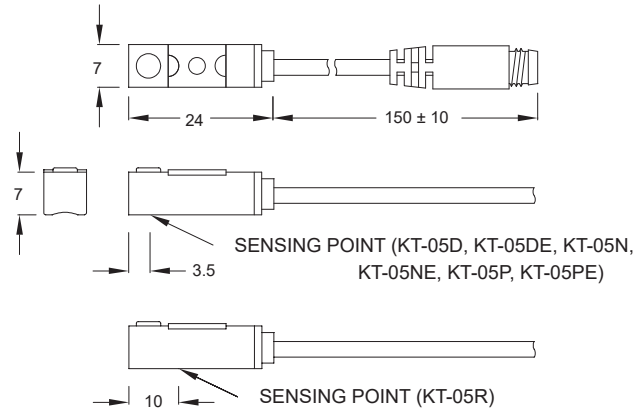


KT-05 SERIES



Dimensions

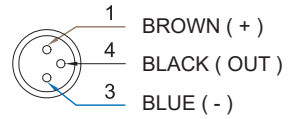
KT-05R, KT-05D, KT-05DE, KT-05N, KT-05NE,
KT-05P, KT-05PE /
KT-05R-QD, KT-05D-QD, KT-05DE-QD,
KT-05N-QD, KT-05NE-QD, KT-05P-QD, KT-05PE-QD



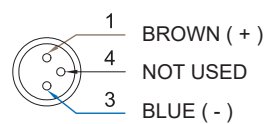
Unit : mm

QD Pinout

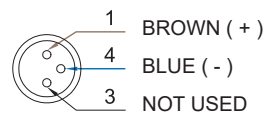
3 wire QD wiring



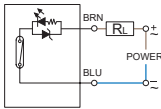
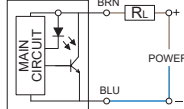
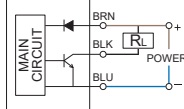
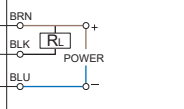
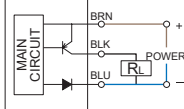
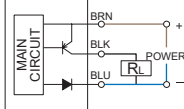
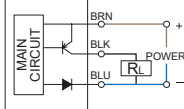
2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-05R	KT-05D	KT-05DE	KT-05N	KT-05NE	KT-05P	KT-05PE	
Connect Diagram								
Characteristics								
Wiring Method	2-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 ~ 240 V DC / AC		10 ~ 28 V DC	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	-			8 mA @ 24 V DC max.	6 mA @ 24 V DC max.	8 mA @ 24 V DC max.	6 mA @ 24 V DC max.	
Voltage Drop	3.5 V max.		3.7 V max.	1 V @ 200 mA max.	0.5 V @ 200 mA max.	1 V @ 200 mA max.	0.5 V @ 200 mA max.	
Leakage Current	-	0.8 mA max.	0.1 mA (40 uA) max.	0.01mA max.				
Indicator	Red LED					Green LED		
Cable	Ø2.8, 2C, PVC			Ø2.8, 3C, PVC				
Operating Frequency	200 Hz	1000 Hz max.						
Magnet Requirement *2	55 Gauss	80 Gauss	40 ~ 1000 Gauss	80 Gauss	40 ~ 1000 Gauss	80 Gauss	40 ~ 1000 Gauss	
Temperature Range	-10 ~ 70 °C							
Shock *3	30 G	50 G						
Vibration *4	9 G							
Enclosure Classification	IEC 60529 IP67							
Protection Circuit *5	1	2, 4	3, 4	2, 3, 4	3, 4	2, 3, 4	3, 4	

NOTE:

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

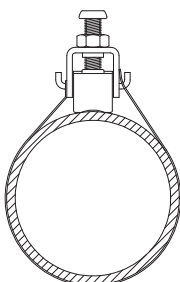
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*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

Clamps



BK Series

