

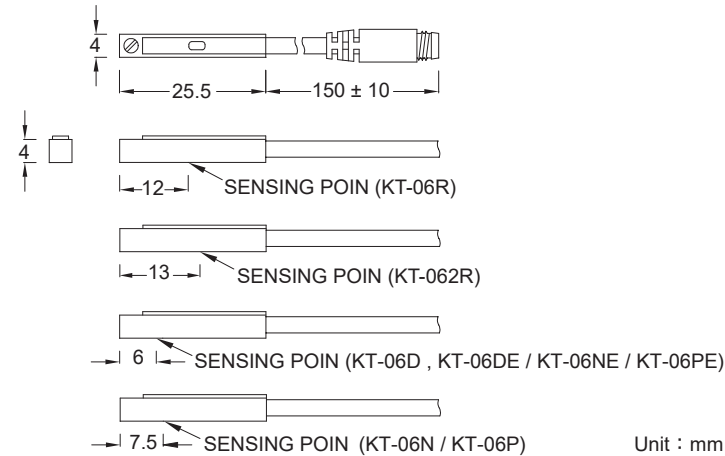
KT-06 SERIES

Magnetic Sensor



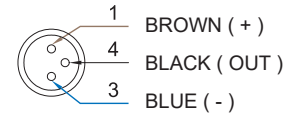
Dimensions

KT-06R, KT-062R, KT-06D, KT-06DE, KT-06N, KT-06NE,
KT-06P, KT-06PE /
KT-06R-QD, KT-062R-QD, KT-06D-QD, KT-06DE-QD,
KT-06N-QD, KT-06NE-QD, KT-06P-QD, KT-06PE-QD

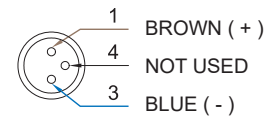


QD Pinout

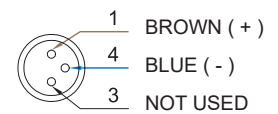
3 wire QD wiring



2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-06R	KT-062R	KT-06D	KT-06DE	KT-06N	KT-06NE	KT-06P	KT-06PE
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 ~ 120 V DC / AC	5 ~ 240 V DC / AC	10 ~ 28 V DC	5 ~ 30 V DC				
Switching Current	100 mA max.		4 ~ 40 mA max.	50 mA max.	200 mA max.			
Contact Rating *1	10 W max.		1.1 W max.	1.5 W max.	6 W max.			
Current Consumption	-				8 mA @ 24 VDC max.	6 mA @ 24 VDC max.	8 mA @ 24 VDC max.	6 mA @ 24 VDC 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	-		1 mA max.	0.1 mA (40 uA) max.	0.01 mA max.			
Indicator	Red LED	Green LED	Red LED				Green LED	
Cable	Ø2.8, 2C, PUR				ø2.8, 3C, PUR			
Operating Frequency	200 Hz		1000 Hz max.					
Magnet Requirement *2	70 Gauss		40 Gauss	40 ~ 1000 Gauss	40 Gauss	40 ~ 1000 Gauss	40 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		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.

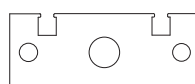
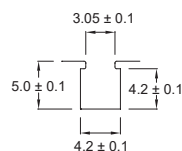
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*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

Groove Dimensions



Unit : mm