

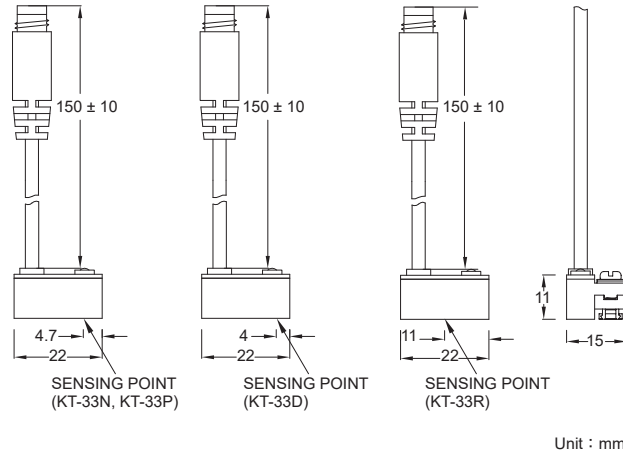
KT-33 SERIES

Magnetic Sensor



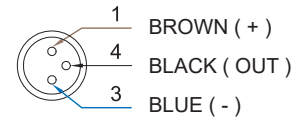
Dimensions

KT-33R, KT-33D, KT-33N, KT-33P /
KT-33R-QD, KT-33D-QD, KT-33N-QD, KT-33P-QD

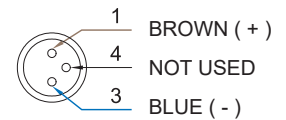


QD Pinout

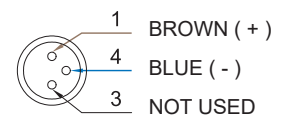
3 wire QD wiring



2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-33R	KT-33D	KT-33N	KT-33P
Connect Diagram Characteristics				
	2-Wire Type		3-Wire Type	
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.	4 ~ 40 mA max.	200 mA max.	
Contact Rating *1	10 W max.	1.5 W max.	6 W max.	
Current Consumption	-		22 mA @ 24 V DC max.	20 mA @ 24 V DC max.
Voltage Drop	3.5 V max.		0.5 V max.	
Leakage Current	-	1 mA max.	0.01 mA max.	
Indicator	Red LED	Green LED	Red LED	Green LED
Cable	ø3.3, 2C, PVC		ø3.3, 3C, PVC	
Operating Frequency	200 Hz	1000 Hz		
Magnet Requirement *2	80 Gauss	70 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	

NOTE:

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

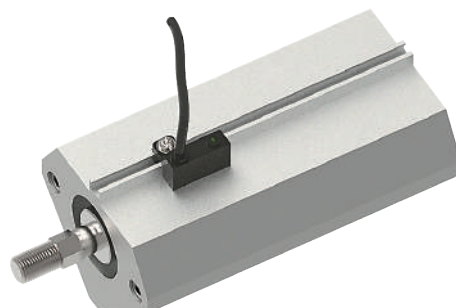
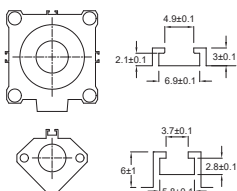
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*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