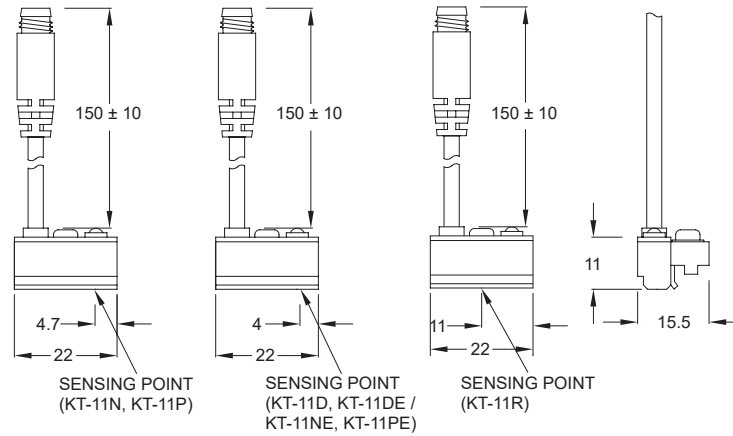


KT-11 SERIES



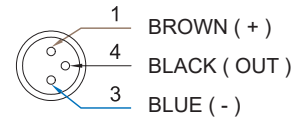
Dimensions

KT-11R, KT-11D, KT-11DE, KT-11N, KT-11NE, KT-11P, KT-11PE /
KT-11R-QD, KT-11D-QD, KT-11DE-QD, KT-11N-QD, KT-11NE-QD,
KT-11P-QD, KT-11PE-QD

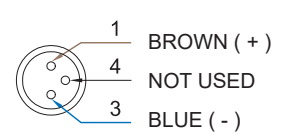


QD Pinout

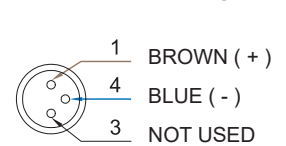
3 wire QD wiring



2 wire QD wiring



2 wire EQD wiring



Unit : mm

Specifications

MODEL	KT-11R	KT-11D	KT-11DE	KT-11N	KT-11NE	KT-11P	KT-11PE
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.	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	-			22mA@24VDC max.	6mA@24VDC max.	20mA@24VDC max.	6mA@24VDC max.
Voltage Drop	3.5 V max.		3.7 V max.	0.5 V @ 200 mA max.			
Leakage Current	-	1 mA max.	0.1mA(40 uA) 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 max.					
Magnet Requirement *2	70 Gauss	60 Gauss	40 ~ 1000 Gauss	60 Gauss	40 ~ 1000 Gauss	60 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				

NOTE:

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

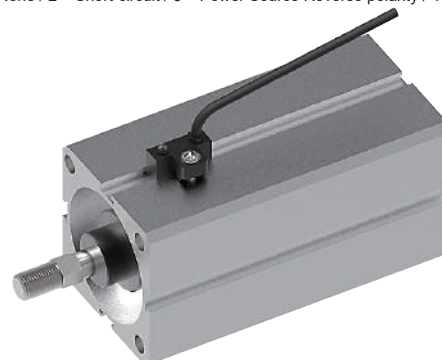
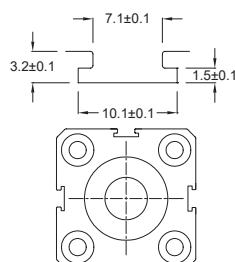
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*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