

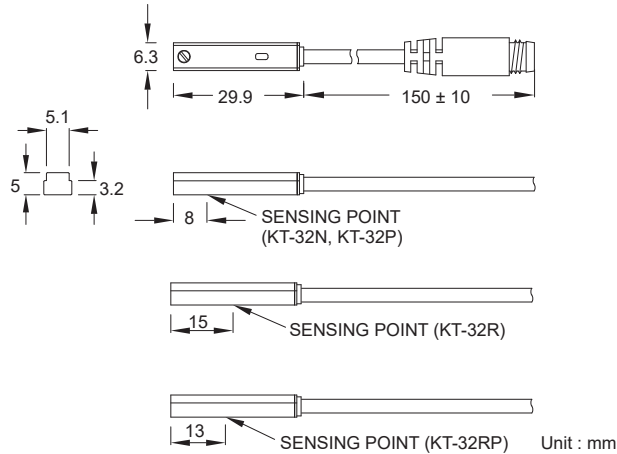
KT-32 SERIES

Magnetic Sensor



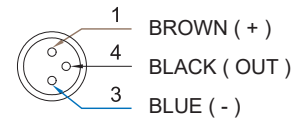
Dimensions

KT-32R, KT-32N, KT-32P, KT-32RP /
KT-32R-QD, KT-32N-QD, KT-32P-QD, KT-32RP-QD

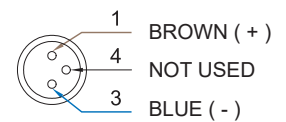


QD Pinout

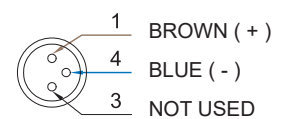
3 wire QD wiring



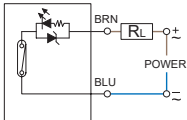
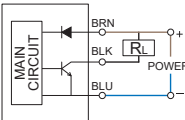
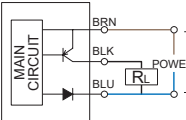
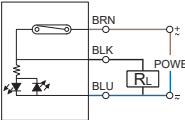
2 wire QD wiring



2 wire EQD wiring



Specifications

MODEL	KT-32R	KT-32N	KT-32P	KT-32RP
Connect Diagram				
	Characteristics			
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 ~ 240 V DC / AC	10 ~ 30 V DC		10 ~ 30 V DC / AC
Switching Current	100 mA max.			500 mA max.
Contact Rating *1	10 W max.	3 W max.		10 W max.
Current Consumption	-	17 mA @ 24 V DC max.	8 mA @ 24 V DC max.	10 mA @ 24 V DC max.
Voltage Drop	3.5 V max.	1.5 V max.		0.1 V @ 100 mA max.
Leakage Current	-	0.01 mA max.		-
Indicator	Red LED		Yellow LED	
Cable	ø3.3, 2C, PVC	ø3.2, 3C, PVC		
Operating Frequency	200 Hz	1000 Hz		200 Hz
Magnet Requirement *2	70 Gauss	60 Gauss		
Temperature Range	-10 ~ 70 °C			
Shock *3	30 G	50 G		30 G
Vibration *4	9 G			
Enclosure Classification	IEC 60529 IP67			
Protection Circuit *5	1	2, 3, 4		1

NOTE:

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

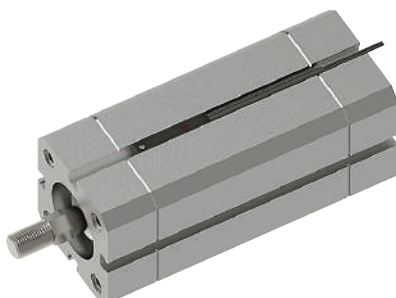
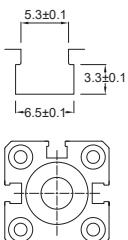
*2 : Measuring standard target : ø15.5 × ø8 × 5t (Anisotropy rubber magnet)

*3 : Sin wave / X , Y , Z 3 directions / 3 times each direction / 11 ms each time.

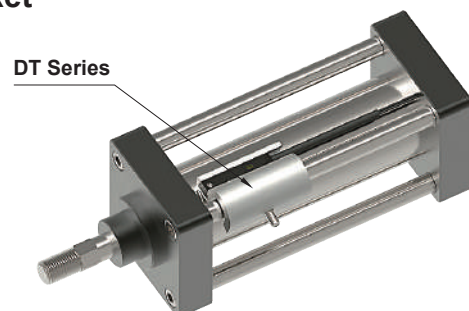
*4 : Double amplitude 1.5 mm / 10 Hz ~ 55 Hz ~ 10 Hz (Sweep 1 min) / X , Y , Z 3 directions / 1 hour each time.

*5 : 1 = None / 2 = Short-circuit / 3 = Power Source Reverse polarity / 4 = Surge Suppression

Groove Dimensions



Bracket



Unit : mm