

KT-65 SERIES

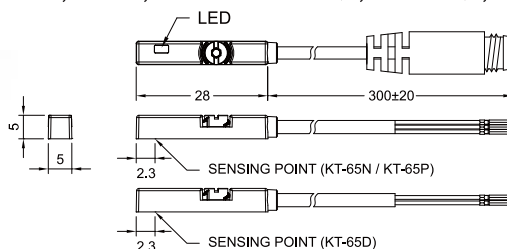


NEW

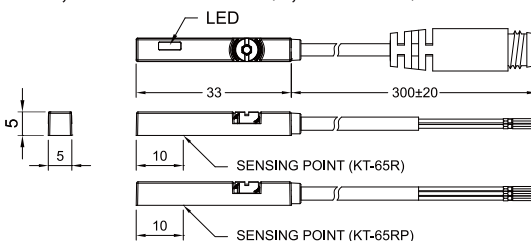
PATENTED

DIMENSIONS

KT-65N, KT-65P, KT-65D / KT-65N-QD, KT-65P-QD, KT-65D-QD



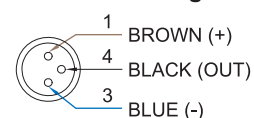
KT-65R, KT-65RP / KT-65R-QD, KT-65RP-QD



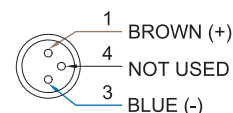
Unit:mm

QD PINOUT

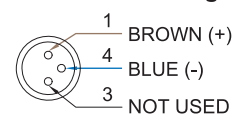
*3 wire QD wiring



*2 wire QD wiring



*2 wire EQD wiring



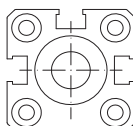
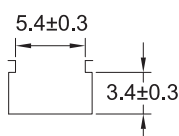
SPECIFICATIONS

TYPE	KT-65R	KT-65D	KT-65N	KT-65P	KT-65RP
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	5~240V DC/AC	10~28V DC			10~30V DC/AC
Switching Current	100mA max.	50mA max.	200mA max.		500mA max.
Contact Rating (*1)	10W max.	1.5W max.	5.5W max.		10W max.
Current Consumption	-		10mA @ 24V DC max.		10mA @ 24V DC max.
Voltage Drop	3.0V max.	3.5V max.	1.5V max.		0.1V @ 100mA max.
Leakage Current	-	0.8mA max.	0.05mA max.		-
Indicator	Red LED			Yellow LED	
Cable	ø2.8, 2C, PU		ø2.8, 3C, PU		
Operating Frequency	200Hz	1000Hz			200Hz
Magnet Requirement (*2)	65Gauss	50Gauss			65Gauss
Temperature Range	-10~70°C				
Shock (*3)	30G	50G			30G
Vibration (*4)	9G				
Enclosure Classification	IEC 60529 IP67				
Protection Circuit (*5)	1	2	2,3,4		1

NOTE:

1. WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent damage to sensor will occur.
2. Measuring standard target: ø15.5Xø8X5t (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 / 10Hz~55Hz~10Hz (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

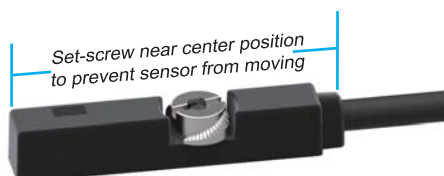
KT-65/KT-75 SERIES



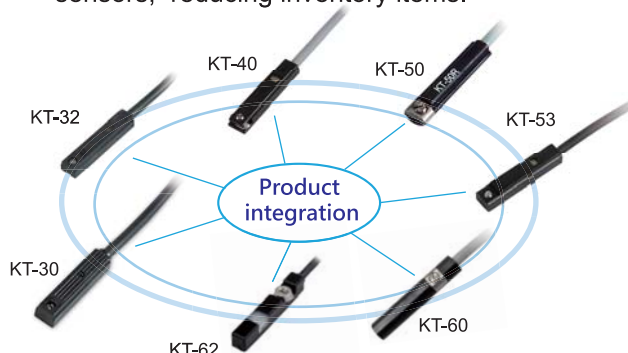
KT-65 & 75 series can be applied to many kind of cylinders

New Structure

- Set-screw near center position to prevent sensor from moving, combined with new set-screw design to provide solid stance when attached to the cylinder.

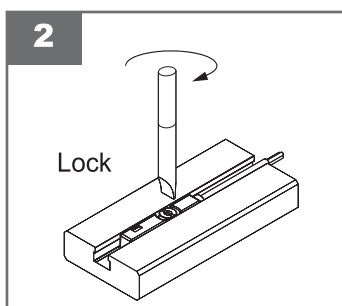
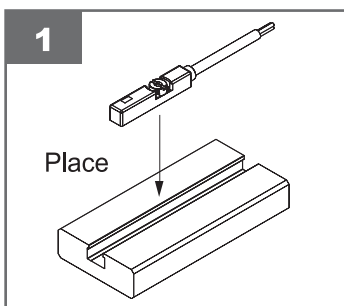


- Fits in most T-slot, replace all other T-slot sensors, reducing inventory items.

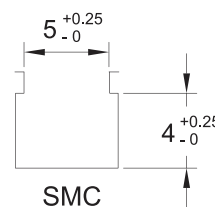
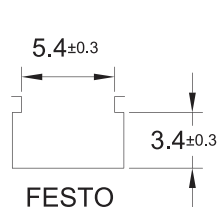


Quick Installation

- Install sensor from top of cylinder, directly placed into T-slot to achieve quick installation.



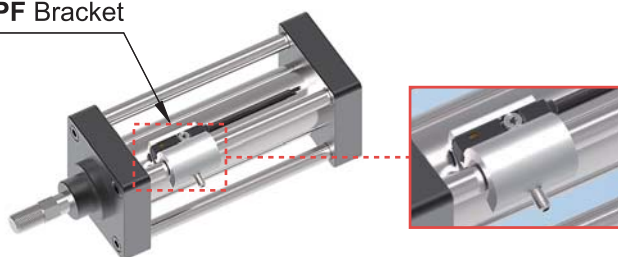
Common cylinder slot dimensions



Mounting Adapter for other cylinder types

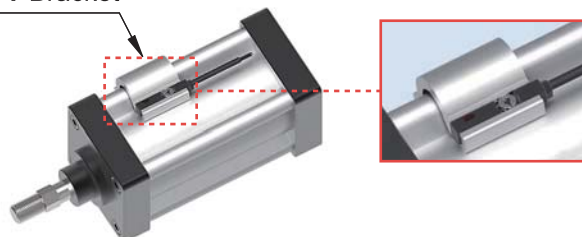
- PF bracket can be applied to ISO profile cylinder.

PF Bracket



- DT bracket can be applied to Tie-rod cylinder.

DT Bracket



P.S.: Bracket for round cylinder is under development.