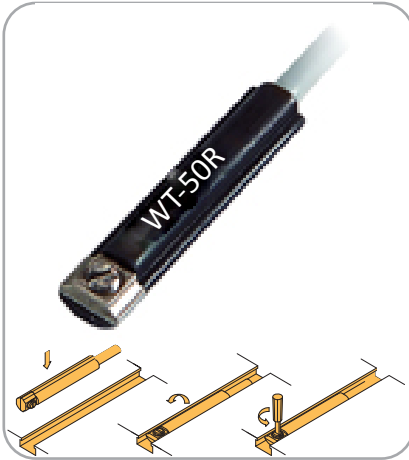
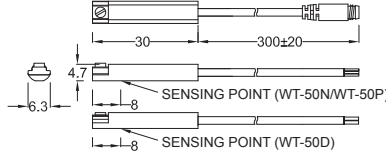


**WT-50 SERIES**

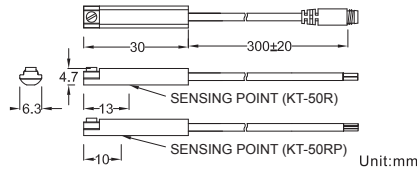


**DIMENSION**

**WT-50N, WT-50P, WT-50D / WT-50N-QD, WT-50P-QD, KT-50D-QD**



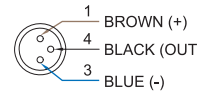
**WT-50R, WT-50RP / WT-50R-QD, WT-50RP-QD**



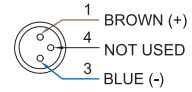
Unit:mm

**QD PINOUT**

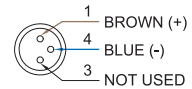
**\*3 wire QD wiring**



**\*2 wire QD wiring**



**\*2 wire EQD wiring**



**SPECIFICATION**

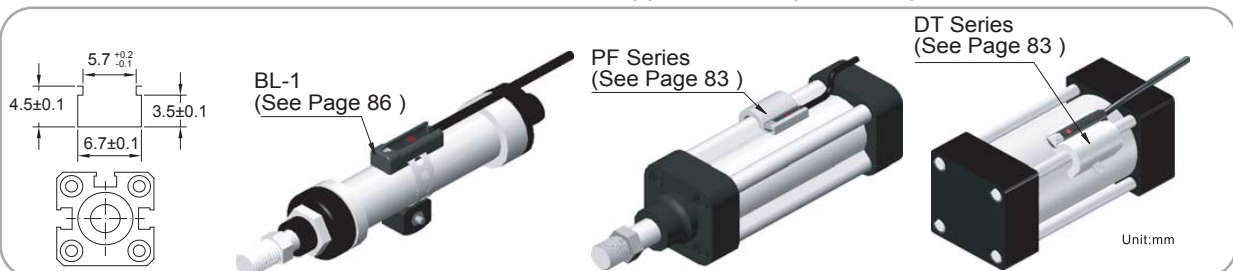
TYPE	WT-50R	WT-50D	WT-50N	WT-50P	WT-50RP
<b>CONNECT DIAGRAM</b>					
<b>CHARACTERISTICS</b>					
<b>WIRING METHOD</b>	2-Wire Type		3-Wire Type		
<b>SWITCHING LOGIC</b>	SPST, Normally Open	Solid State Output, Normally Open			SPST, Normally Open
<b>SENSOR TYPE</b>	Reed Switch	--	NPN Current Sinking	PNP Current Sourcing	Reed Switch
<b>OPERATING VOLTAGE</b>	5~240V DC/AC	10~28V DC	10~30V DC		10~30V DC/AC
<b>SWITCHING CURRENT</b>	100 mA max.	50 mA max.	200 mA. max		500 mA. max
<b>CONTACT RATING (NOTE 1)</b>	10 W max.	1.5 W max.	6W max.		10W max.
<b>CURRENT CONSUMPTION</b>	--		20 mA @ 24V DC max.		5 mA @ 24V DC max.
<b>VOLTAGE DROP</b>	3.0 V max.	3.5 V max.	1.5 V max.		0.1 V @ 100mA max.
<b>LEAKAGE CURRENT</b>	--	0.8 mA max.	0.05 mA max.		--
<b>INDICATOR</b>	Red LED			Yellow LED	
<b>CABLE</b>	ø3, 2C, PUR		ø3, 3C, PUR		
<b>OPERATING FREQUENCY</b>	200 Hz	1000 Hz		200 Hz	
<b>MAGNET REQUIREMENT (NOTE 2)</b>	65 Gauss				
<b>TEMPERATURE RANGE</b>	-10~70°C				
<b>SHOCK (NOTE 3)</b>	30 G	50 G		30 G	
<b>VIBRATION (NOTE 4)</b>	9 G				
<b>ENCLOSURE CLASSIFICATION</b>	IEC 529 IP 67				
<b>PROTECTION CIRCUIT (NOTE 5)</b>	1	2,4	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 DIMENSION**

**WT-50 & WT-51 series can be applied to many kind of cylinders**



Unit:mm