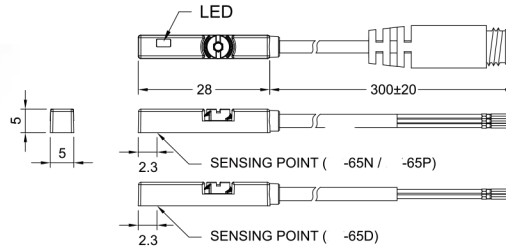


**NEW**  
**PATENTED**

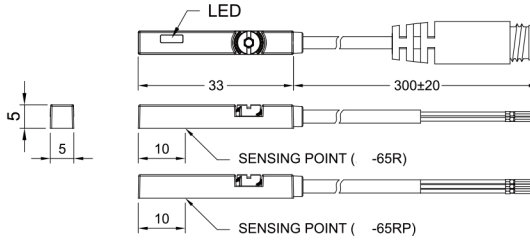


### ■ DIMENSIONS

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

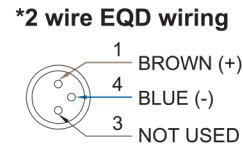
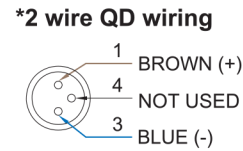
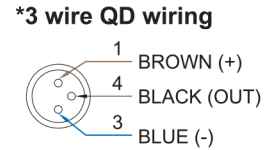


-65R, -65RP / -65R-QD, -65RP-QD



Unit:mm

### ■ QD PINOUT



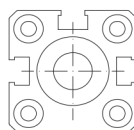
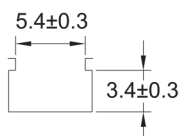
### ■ SPECIFICATIONS

TYPE	BTC-65R	BTC-65D	BTC-65N	BTC-65P	BTC-65RP
<b>CONNECT DIAGRAM</b>					
<b>CHARACTERISTICS</b>	2-Wire Type		3-Wire Type		
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