

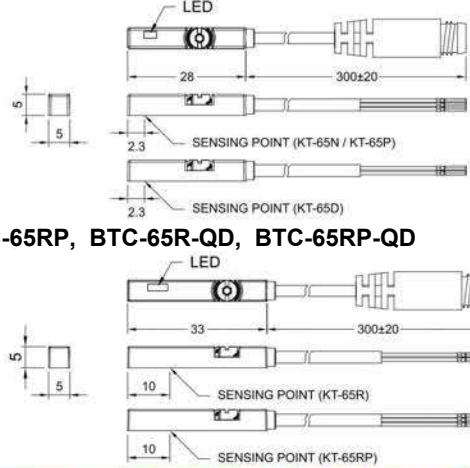
BTC-65 SERIES

NEW
PATENTED



■ DIMENSIONS

BTC-65N, BTC-65P, BTC-65D, BTC-65N-QD, BTC-65P-QD, BTC-65D-QD



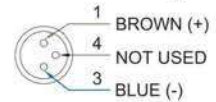
BTC-65R, BTC-65RP, BTC-65R-QD, BTC-65RP-QD

■ QD PINOUT

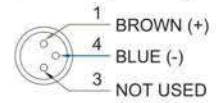
*3 wire QD wiring



*2 wire QD wiring



*2 wire EQD wiring



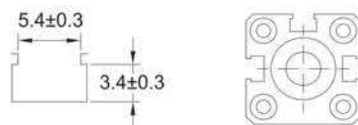
■ SPECIFICATIONS

TYPE	BTC-65R	BTC-65D	BTC-65N	BTC-65P	BTC-65RP
CONNECT DIAGRAM					
CHARACTERISTICS	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