BTC-06 SERIES

## ◼ DIMENSION

BTC-06N, BTC-06P, BTC-06N-QD, BTC-06P-QD

4
25.5 150 ± 10
4
7.5 SENSING POINT
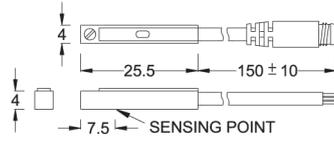
BTC-06R, BTC-062R, BTC-06D, BTC-06R-QD BTC-062R-QD, BTC-06D-QD

4
25.5 150 ± 10
4
12 SENSING POINT (-06R)
13 SENSING POINT (-062R)
6 SENSING POINT (-06D)

Unit:mm

◼ QD PINOUT

*3 wire QD wiring

1 BROWN (+)
4 BLACK (OUT)
3 BLUE (-)

*2 wire QD wiring

1 BROWN (+)
4 NOT USED
3 BLUE (-)

*2 wire EQD wiring

1 BROWN (+)
4 BLUE (-)
3 NOT USED
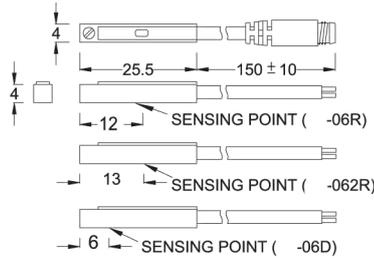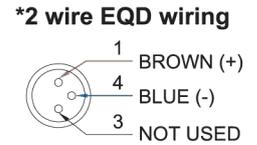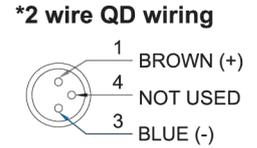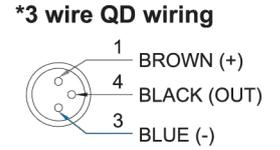
◼ SPECIFICATION

TYPE	BTC-06R	BTC-062R	BTC-06D	BTC-06N	BTC-06P
CONNECT DIAGRAM / CHARACTERISTICS					
WIRING METHOD	2-Wire Type			3-Wire Type	
SWITCHING LOGIC	SPST, Normally Open		Solid State Output, Normally Open		
SENSOR TYPE	Reed Switch		--	NPN Current Sinking	PNP Current Sourcing
OPERATING VOLTAGE	5~120V DC/AC	5~240V DC/AC	10~28V DC	5~30V DC	
SWITCHING CURRENT	100 mA max.		4~40 mA max.	200 mA. max.	
CONTACT RATING (NOTE 1)	10 W max.		1.5 W max.	6W max.	
CURRENT CONSUMPTION	--			8 mA @ 24V DC max.	
VOLTAGE DROP	3.5 V max.			1 V @ 200mA max.	
LEAKAGE CURRENT	--		1 mA max.	0.01 mA max.	
INDICATOR	Red LED	Green LED	Red LED		Green LED
CABLE	ø2.8, 2C, PUR			ø2.8, 3C, PUR	
OPERATING FREQUENCY	200 Hz		1000 Hz		
MAGNET REQUIREMENT (NOTE 2)	70 Gauss		40 Gauss	30 Gauss	
TEMPERATURE RANGE	-10~70˚C				
SHOCK (NOTE 3)	30 G		50 G		
VIBRATION (NOTE 4)	9 G				
ENCLOSURE CLASSIFICATION	IEC 529 IP 67				
PROTECTION CIRCUIT (NOTE 5)	1		4	2,3,4	

NOTE:
1. WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent demage 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

3.05 ± 0.1
5.0 ± 0.1 4.2 ± 0.1
4.2 ± 0.1
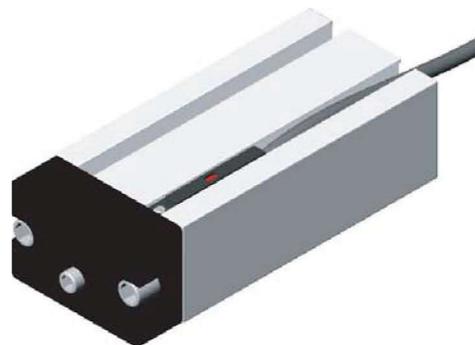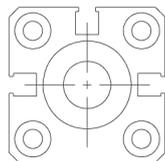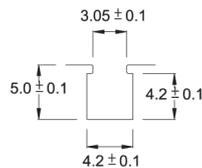
Unit:mm

Pressure Switch
Magnetic Switch
Circular Connector