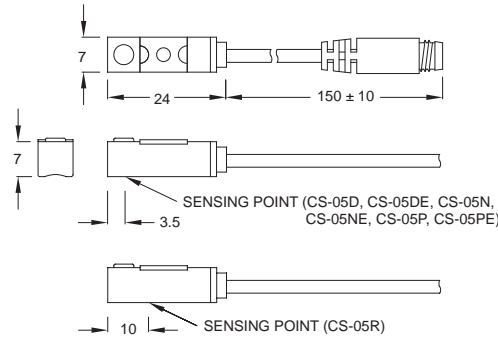




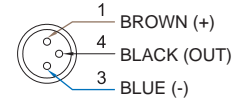
### ■ DIMENSIONS

CS-05R, CS-05D, CS-05DE, CS-05N, CS-05NE,  
 CS-05P, CS-05PE /  
 CS-05R-QD, CS-05D-QD, CS-05DE-QD,  
 CS-05N-QD, CS-05NE-QD, CS-05P-QD, CS-05PE-QD

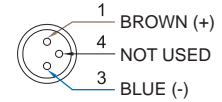


### ■ QD PINOUT

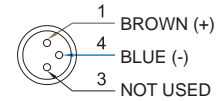
\*3 wire QD wiring



\*2 wire QD wiring



\*2 wire EQD wiring



### ■ SPECIFICATIONS

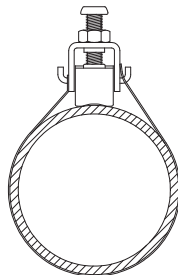
Unit:mm

TYPE	CS-05R	CS-05D	CS-05DE	CS-05N	CS-05NE	CS-05P	CS-05PE
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	
Operating Voltage	5~240V DC/AC		10~28V DC		5~30V DC		
Switching Current	100mA max.		50mA max.		200mA max.		
Contact Rating (*1)	10W max.		1.5W max.		6W max.		
Current Consumption	-			8mA @ 24V DC max.		6mA @ 24V DC max.	
Voltage Drop	3.5V max.		3.7V max.		1V @ 200mA max.		0.5V @ 200mA max.
Leakage Current	-		0.8mA max.		0.1mA(40uA) max.		0.01mA max.
Indicator	Red LED				Green LED		
Cable	ø2.8, 2C, PVC			ø2.8, 3C, PVC			
Operating Frequency	200Hz		1000Hz max.				
Magnet Requirement (*2)	55Gauss	80Gauss	40~1000Gauss	80Gauss	40~1000Gauss	80Gauss	40~1000Gauss
Temperature Range	-10~70°C (+14~158°F)						
Shock (*3)	30G			50G			
Vibration (*4)	9G						
Enclosure Classification	IEC 60529 IP67 (NEMA 6)						
Protection Circuit (*5)	1	2,4	3,4	2,3,4	3,4	2,3,4	3,4

**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

### ■ MOUNTING CLAMPS



BK Series  
 (See Page 2-43)

