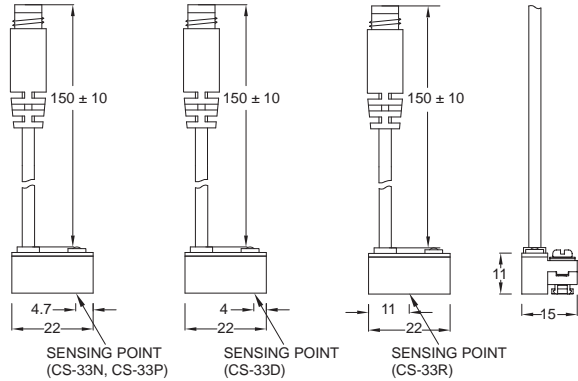


■ DIMENSIONS

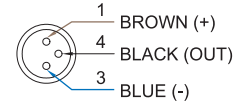
CS-33R, CS-33D, CS-33N, CS-33P /
CS-33R-QD, CS-33D-QD, CS-33N-QD, CS-33P-QD



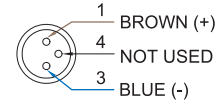
Unit:mm

■ QD PINOUT

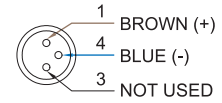
*3 wire QD wiring



*2 wire QD wiring



*2 wire EQD wiring

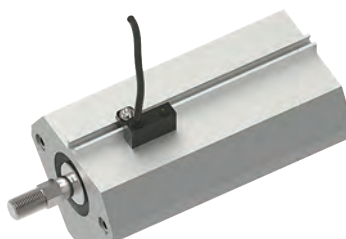
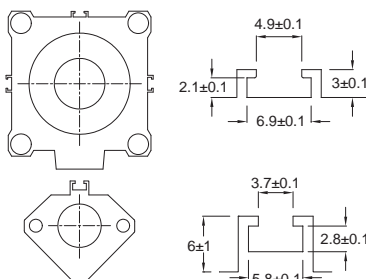


TYPE	CS-33R	CS-33D	CS-33N	CS-33P
CONNECT DIAGRAM				
CHARACTERISTICS				
Wiring Method	2-Wire Type		3-Wire Type	
Switching Logic	SPST, Normally Open	-	Solid State Output, Normally Open	
Sensor Type	Reed Switch	-	NPN Current Sinking	PNP Current Sourcing
Operating Voltage	5~240V DC/AC	10~28V DC	5~30V DC	
Switching Current	100mA max.	4~40mA max.	200mA max.	
Contact Rating (*1)	10W max.	1.5W max.	6W max.	
Current Consumption	-		22mA @ 24V DC max.	20mA @ 24V DC max.
Voltage Drop	3.5V max.		0.5V max.	
Leakage Current	-	1mA max.	0.01mA max.	
Indicator	Red LED	Green LED	Red LED	Green LED
Cable	ø3.3, 2C, PVC		ø3.3, 3C, PVC	
Operating Frequency	200Hz	1000Hz		
Magnet Requirement (*2)	80Gauss	70Gauss		
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	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

■ GROOVE DIMENSIONS



Unit:mm