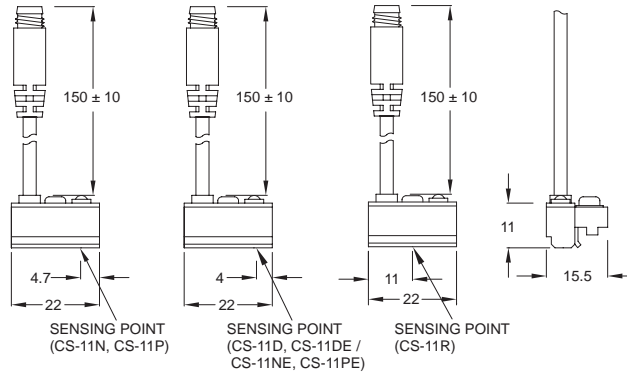


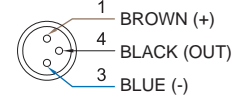
### ■ DIMENSIONS

CS-11R, CS-11D, CS-11DE, CS-11N, CS-11NE, CS-11P, CS-11PE /  
 CS-11R-QD, CS-11D-QD, CS-11DE-QD, CS-11N-QD, CS-11NE-QD,  
 CS-11P-QD, CS-11PE-QD

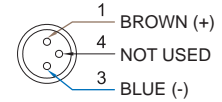


### ■ QD PINOUT

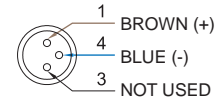
\*3 wire QD wiring



\*2 wire QD wiring



\*2 wire EQD wiring



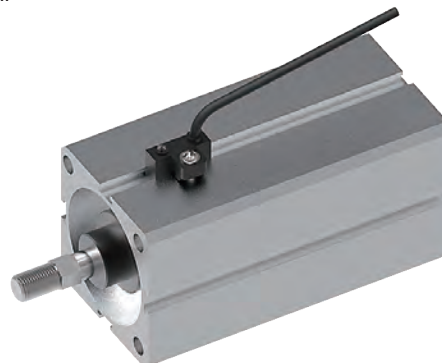
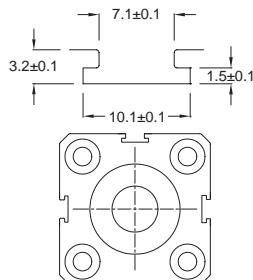
### ■ SPECIFICATIONS

Unit:mm

TYPE	CS-11R	CS-11D	CS-11DE	CS-11N	CS-11NE	CS-11P	CS-11PE
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.		4~40mA max.		50mA max.		
Contact Rating (*1)	10W max.		1.1W max.		1.5W max.		
Current Consumption	-			22mA @ 24V DC max.			
Voltage Drop	3.5V max.		3.7V max.		0.5V max.		
Leakage Current	-		1mA max.		0.1mA(40uA) max.		
Indicator	Red LED		Green LED		Red LED		Green LED
Cable	ø3.3, 2C, PVC			ø3.3, 3C, PVC			
Operating Frequency	200Hz		1000Hz max.				
Magnet Requirement (*2)	70Gauss		60Gauss		40~1000Gauss		60Gauss
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