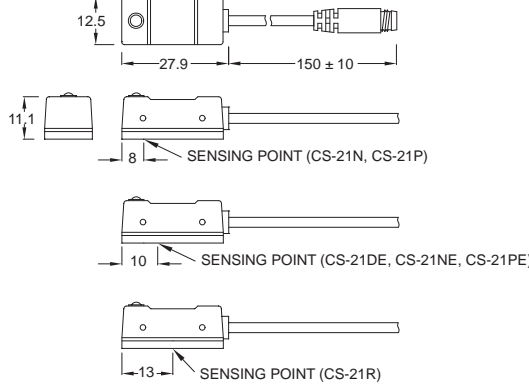




■ DIMENSIONS

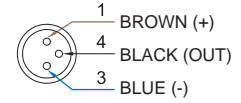
CS-21R, CS-21DE, CS-21N, CS-21NE, CS-21P, CS-21PE / CS-21R-QD, CS-21DE-QD, CS-21N-QD, CS-21NE-QD, CS-21P-QD, CS-21PE-QD



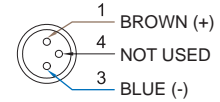
Unit:mm

■ QD PINOUT

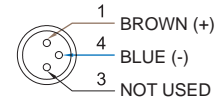
*3 wire QD wiring



*2 wire QD wiring



*2 wire EQD wiring



■ SPECIFICATIONS

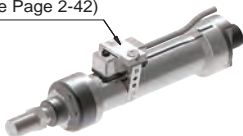
TYPE	CS-21R	CS-21DE	CS-21N	CS-21NE	CS-21P	CS-21PE
CONNECT DIAGRAM						
CHARACTERISTICS						
Wiring Method	2-Wire type		3-Wire type			
Switching Logic	SPST, Normally Open		Solid State Output, Normally Open			
Sensor Type	Reed Switch	-	NPN Current Sinking		PNP Current Sourcing	
Operating Voltage	5~240V DC/AC		5~30V DC			
Switching Current	100mA max.	50mA max.	200mA max.			
Contact Rating (*1)	10W max.	1.5W max.	6W max.			
Current Consumption	-		15mA @ 24V DC max.	6mA @ 24V DC max.	15mA @ 24V DC max.	6mA @ 24V DC max.
Voltage Drop	3.5V max.	3.7V max.	1.5V max.	0.5V max.	1.5V max.	0.5V max.
Leakage Current	-	0.1mA(40uA) max.	0.01mA max.			
Indicator	Green LED		Red LED		Green LED	
Cable	ø4, 2C, PVC		ø4, 3C, PVC			
Operating Frequency	200Hz		1000Hz max.			
Magnet Requirement (*2)	80Gauss	40~1000Gauss	70Gauss	40~1000Gauss	70Gauss	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	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

■ CLAMPS / BRACKET

CS-21 series can be applied to many kind of cylinders

PAB Series
(See Page 2-42)



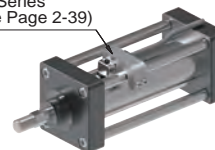
PN Series
(See Page 2-42)



PH Series
(See Page 2-42)



PM Series
(See Page 2-39)



PI Series
(See Page 2-39)

