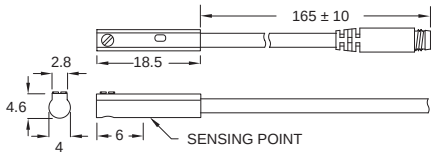
CS-18 SERIES

RoHS

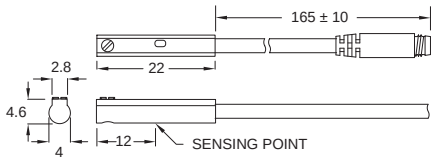
Magnetic Sensor

DIMENSION

CS-18N, CS-18P, CS-18N-NC, CS-18P-NC / CS-18N-QD, CS-18P-QD,CS-18N-NC-QD, CS-18P-NC-QD

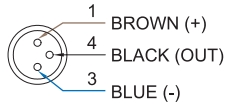


CS-18R, CS-18RH / CS-18R-QD,CS-18RH-QD

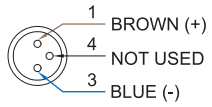


QD PINOUT

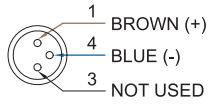
***3 wire QD wiring**



***2 wire QD wiring**

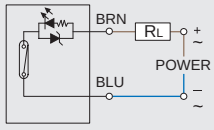
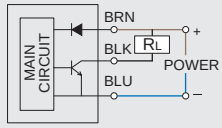
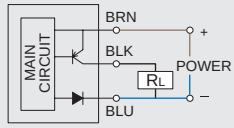


***2 wire EQD wiring**



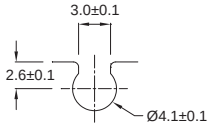
SPECIFICATIONS

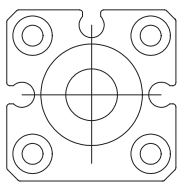
Unit:mm

TYPE	CS-18RH	CS-18R	CS-18N	CS-18N-NC	CS-18P	CS-18P-NC
CONNECT DIAGRAM / CHARACTERISTICS						
Wiring Method	2-Wire Type		3-Wire Type			
Switching Logic	SPST, Normally Open		Solid State Output, Normally Open	Solid State Output, Normally Close	Solid State Output, Normally Open	Solid State Output, Normally Close
Sensor Type	Reed Switch		NPN Current Sinking		PNP Current Sourcing	
Operating Voltage	5~120V DC/AC		5~28V DC			
Switching Current	50mA max.		100mA max.			
Contact Rating (*1)	6W max.		3W max.			
Current Consumption	-		10mA @ 24V DC max.			
Voltage Drop	3.0 V max.		0.5 V @ 50mA max.			
Leakage Current	-		0.05 mA max.			
Indicator	Red LED				Green LED	
Cable	ø2.8, 2C, PUR		ø2.8, 3C, PUR			
Operating Frequency	200 Hz		1000 Hz			
Magnet Requirement (*2)	40Gauss Parallel	60Gauss Parallel	30Gauss Parallel			
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			
Set Screw Max. Torque	1.77 in-lbs (0.2 N-m)					

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 DIMENSIONS





Unit:mm