

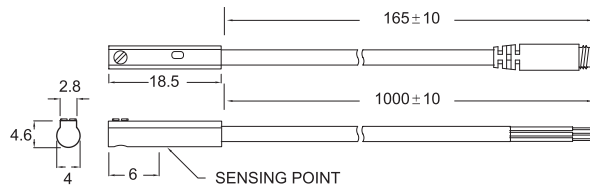
# MAGNETIC SWITCH

## CS-18 SERIES

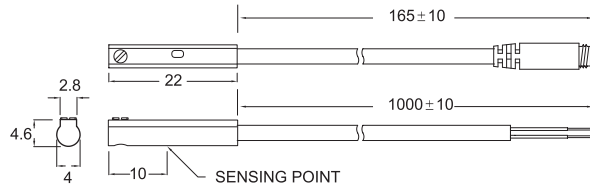


### DIMENSION

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

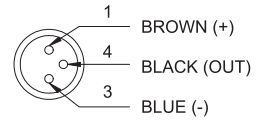


CS-18R, CS-18RH/CS18R-QD, CS-18RH-QD

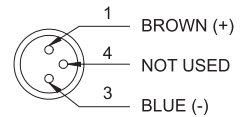


### QD PINOUT

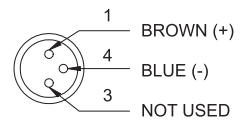
\*3 wire QD wiring



\*2 wire QD wiring



\*2 wire EQD wiring



### SPECIFICATION

Unit: mm

TYPE	CS-18RH	CS-18R	CS-18N	CS-18P
SCHEMATIC				
WIRING METHOD	2-Wire Type		3-Wire Type	
SWITCHING LOGIC	SPST Normally Open		Normally Open	
CONTACT TYPE	Reed Switch		NPN Current Sinking	PNP Current Sourcing
OPERATING VOLTAGE	5~120V DC/AC		4.5~28 VDC	
SWITCHING CURRENT	50mA max.		100mA max.	
CONTACT RATING	6 Watts		3 Watts	
CURRENT CONSUMPTION	--		10mA @ 24 VDC max.	10mA @ 24 VDC max.
VOLTAGE DROP	3.0V max.		0.5V @ 50mA max.	0.5V @ 50 mA max.
LEAKAGE CURRENT	--		0.01mA max.	
INDICATOR	Red LED		Red LED	Green LED
CABLE	ø2.8, 2C, PU		ø2.8, 3C, PU	
OPERATING FREQUENCY	200 Hz		1000 Hz	
MAGNET REQUIREMENT (NOTE 1)	40 Gauss Parallel	60 Gauss Parallel	30 Gauss Parallel	
TEMPERATURE RANGE	-10~70°C (+14~158°F)			
SHOCK (NOTE 2)	30 G		50 G	
VIBRATION (NOTE 3)	9 G			
ENCLOSURE CLASSIFICATION	IEC 529 IP67 (NEMA 6)			
PROTECTION CIRCUIT	None		Reverse Polarity, Surge Suppression	
SET SCREW MAX. TORQUE	1.77 in-lbs (0.2 N-m)			

WARNING: Never exceed rating (Watt=Voltage x Amperage). Permanent damage to sensor will occur.

NOTE: 1. Measuring standard target: ø15.5Xø8X5t (Anisotropy rubber magnet)

2. Sin wave / X · Y · Z 3 directions / 3 times each direction / 11 ms each time.

3. Double amplitude 1.5 mm / 10Hz~55Hz~10Hz (Sweep 1 min) / X · Y · Z 3 directions / 1 hour each time.

### GROOVE DIMENSION

