

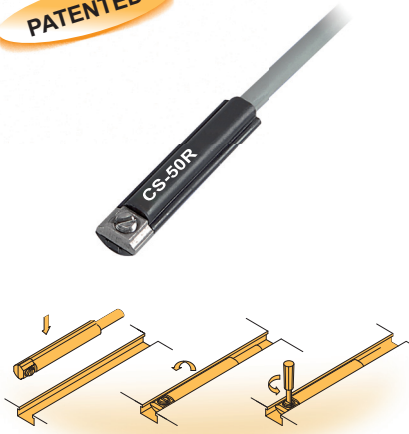
CS-50

RoHS
CE

SERIES

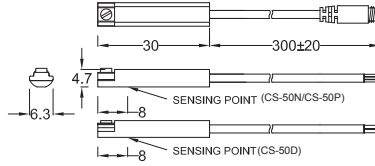
Magnetic Sensor

PATENTED

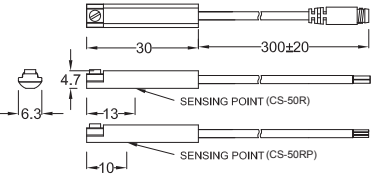


■ DIMENSION

CS-50N, CS-50P, CS-50D / CS-50N-QD, CS-50P-QD, CS-50D-QD



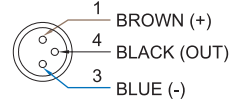
CS-50R, CS-50RP / CS-50R-QD, CS-50RP-QD



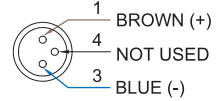
Unit:mm

■ QD PINOUT

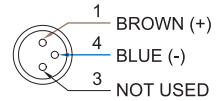
*3 wire QD wiring



*2 wire QD wiring



*2 wire EQD wiring



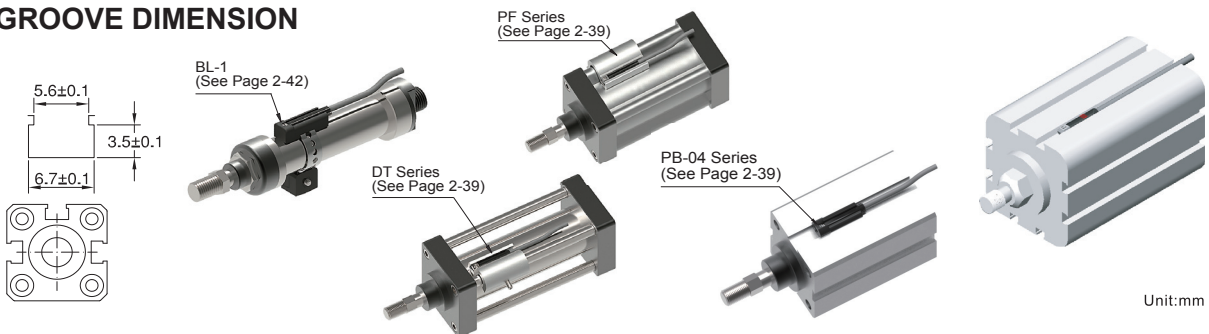
■ SPECIFICATION

TYPE	CS-50R	CS-50D	CS-50N	CS-50P	CS-50RP
CONNECT DIAGRAM					
CHARACTERISTICS					
WIRING METHOD	2-Wire Type		3-Wire Type		
SWITCHING LOGIC	SPST, Normally Open	Solid State Output, Normally Open			SPST, Normally Open
SENSOR TYPE	Reed Switch	--	NPN Current Sinking	PNP Current Sourcing	Reed Switch
OPERATING VOLTAGE	5~240V DC/AC	10~28V DC	10~30V DC		10~30V DC/AC
SWITCHING CURRENT	100 mA max.	50 mA max.	200 mA. max		500 mA. max
CONTACT RATING (NOTE 1)	10 W max.	1.5 W max.	6W max.		10W max.
CURRENT CONSUMPTION	--		20 mA @ 24V DC max.		5 mA @ 24V DC max.
VOLTAGE DROP	3.0 V max.	3.5 V max.	1.5 V max.		0.1 V @ 100mA max.
LEAKAGE CURRENT	--	0.8 mA max.	0.05 mA max.		--
INDICATOR	Red LED			Yellow LED	
CABLE	ø3, 2C, PUR		ø3, 3C, PUR		
OPERATING FREQUENCY	200 Hz	1000 Hz		200 Hz	
MAGNET REQUIREMENT (NOTE 2)	70 Gauss Parallel				
TEMPERATURE RANGE	-10~70°C (+14~158°F)				
SHOCK (NOTE 3)	30 G	50 G		30 G	
VIBRATION (NOTE 4)	9 G				
ENCLOSURE CLASSIFICATION	IEC 60529 IP67 (NEMA 6)				
PROTECTION CIRCUIT (NOTE 5)	1	2, 4	2, 3, 4		1

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 DIMENSION



Unit:mm