CS-65 SERIES

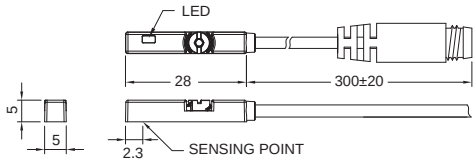
RoHS

Magnetic Sensor

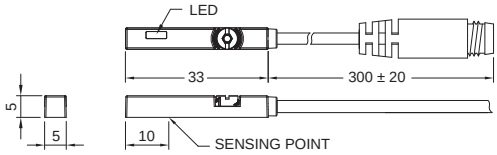
PATENTED

DIMENSIONS

CS-65D, CS-65DE, CS-65N, CS-65NE, CS-65P, CS-65PE / CS-65D-QD, CS-65DE-QD, CS-65N-QD, CS-65NE-QD, CS-65P-QD, CS-65PE-QD



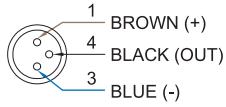
CS-65R, CS-65RP / CS-65R-QD, CS-65RP-QD



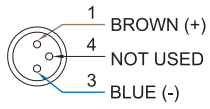
Unit:mm

QD PINOUT

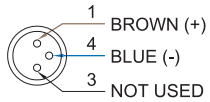
***3 wire QD wiring**



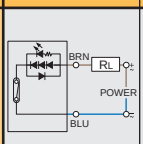
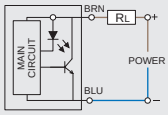
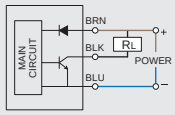
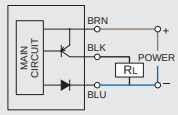
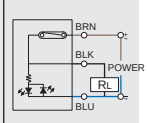
***2 wire QD wiring**



***2 wire EQD wiring**

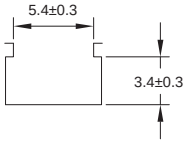


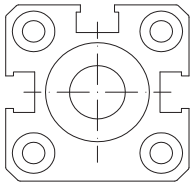
SPECIFICATIONS

TYPE	CS-65R	CS-65D	CS-65DE	CS-65N	CS-65NE	CS-65P	CS-65PE	CS-65RP
CONNECT DIAGRAM								
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	5~30V DC	10~28V DC	5~30V DC	10~28V DC	5~30V DC	10~30V DC/AC
Switching Current	100mA max.	50mA max.		200mA max.				500mA max.
Contact Rating (*1)	10W max.	1.5W max.		5.5W max.	6W max.	5.5W max.	6W max.	10W max.
Current Consumption	-			10mA @ 24V DC max.	6mA@ 24V DC max.	10mA @ 24V DC max.	6mA@ 24V DC max.	10mA @ 24V DC max.
Voltage Drop	3.0V max.	3.5V max.	3.7V max.	1.5V max.	0.5V @ 200mA max.	1.5V max.	0.5V @ 200mA max.	0.1V @ 100mA max.
Leakage Current	-	0.8mA max.	0.1mA(40uA) max.	0.05mA max.	0.01mA max.	0.05mA max.	0.01mA max.	-
Indicator	Red LED					Yellow LED		
Cable	ø2.8, 2C, PUR			ø2.8, 3C, PUR				
Operating Frequency	200Hz	1000Hz max.						200Hz
Magnet Requirement (*2)	75Gauss	50Gauss	40~1000Gauss	50Gauss	40~1000Gauss	50Gauss	40~1000Gauss	65Gauss
Temperature Range	-10~70˚C (+14~158˚F)							
Shock (*3)	30G	50G						30G
Vibration (*4)	9G							
Enclosure Classification	IEC 60529 IP67 (NEMA 6)							
Protection Circuit (*5)	1	2	3,4	2,3,4	3,4	2,3,4	3,4	1

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





MEMO HOLDER AVAILABLE

Unit:mm