

CS-9D / CS-9B / CS-9H series - Sensor switch

CHELIC PNEUMATIC

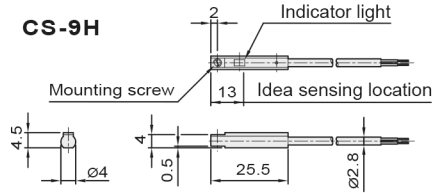
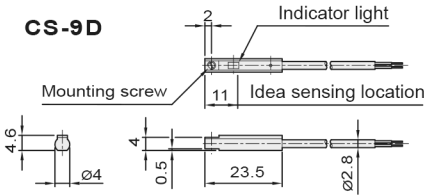
CS-9D series



Item	Model	CS-9D	CS-9D(S)	CS-9H	CS-9H(S)
Wiring system		Two lead wire type		Two lead wire type	
Switching voltage	V	DC: 5~120V	AC: 5~120V	DC: 5~240V	AC: 5~240V
Switching current	mA	100mA MAX.		100mA MAX.	
Contact capacity		6W MAX.		10W MAX.	
Delay time		< 2ms (500Hz)		< 2ms (500Hz)	
Contact		Normal open		Normal open	
Protection grade		IP-67		IP-67	
Color of indicator light		Red		Green	
Cable		Ø2.8 Wire cable x 2M		Ø2.8 Wire cable x 2M	
Voltage drop		3.5V MAX.		3.5V MAX.	
Sensitivity	Note	Normal	High	Normal	High
Contact protective circuit		Non		Non	
Operating temp	°C	-10°~70°		-10°~70°	
Weight	g	20 ± 2		20 ± 2	

Note : For high sensitivity, add "-S" to the port number.

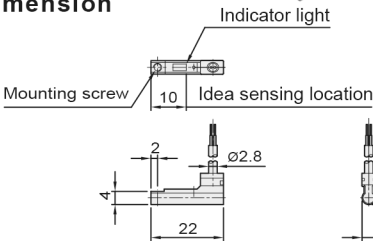
Dimension



CS-9B series



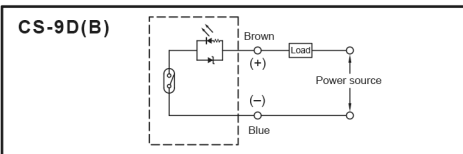
Dimension



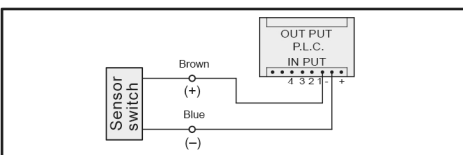
Item	Model	CS-9B
Wiring system		Two lead wire type
Switching voltage	V	DC: 5~120V AC: 5~120V
Switching current	mA	100mA MAX.
Contact capacity		6W MAX.
Delay time		< 2ms (500Hz)
Contact		Normal open
Protection grade		IP-67
Color of indicator light		Red
Cable		Ø2.8 Wire cable x 2M
Voltage drop		3.5V MAX.
Sensitivity		Normal
Contact protective circuit		Non
Operating temp	°C	-10°~70°
Weight	g	18 ± 2

Sensor switch circuit and Connection diagram

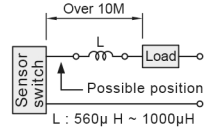
Basic connection : Connect to relay or other resistor



Connect to the programmable controller



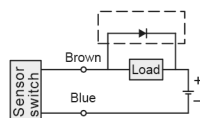
- When wire length of sensor switch connection load is more than 10 meters, inductor shall be installed near to sensor side to avoid ripple.
- Applied voltage and current shall not exceed the specified value.
- When inductive load is connected it is advisable to install protection circuit.



Protect electric circuit

DC load :

Connection in parallel one diode at counter clock-wise direction of two sides of load



AC load :

Connection in parallel one R. C electric circuit at two sides of load.

