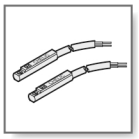


CS-9D / CS-9B / CS-9H series - Sensor switch

CHELIC PNEUMATIC

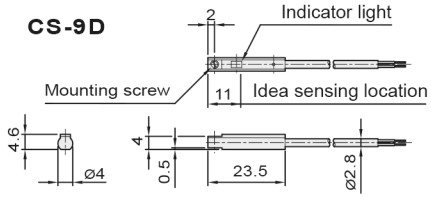
CS-9D series

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	

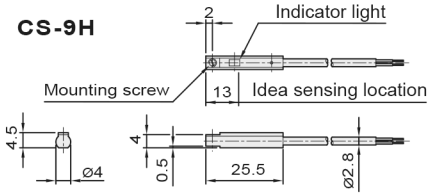
Note : For high sensitivity, add "-S" to the port number.

Dimension

CS-9D



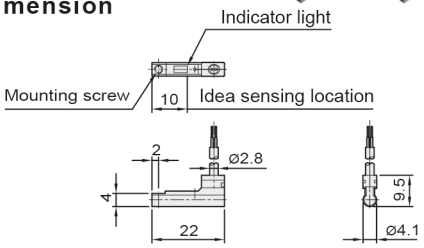
CS-9H



CS-9B series

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

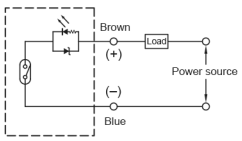
Dimension



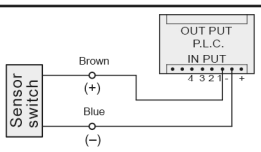
Sensor switch circuit and Connection diagram

Basic connection : Connect to relay or other resistor

CS-9D(B)

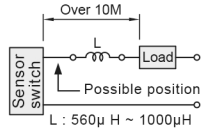


Connect to the programmable controller



Note

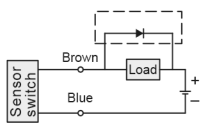
1. When wire length of sensor switch connection load is more than 10 meters,inductor shall be installed near to sensor side to avoid ripple.
2. Applied voltage and current shall not exceed the specified value.
3. When inductive load is connected it is advisable to install protection circuit.

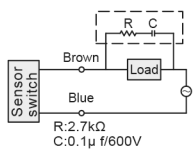


Protect electric circuit

DC load :

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



AC load :

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