

# Capacitive sensor

## Metal Barrel-M12



### Description:

Brass nickel-plated, threaded barrel, DC 3-wire output, potentiometer adjustment, IP67 protection class, LED indicator.

### Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range $U_B$	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
FC2-M12-OP6L	2mm	Flush	PNP NO	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
FC2-M12-ON6L	2mm	Flush	NPN NO	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
FC2-M12-CP6L	2mm	Flush	PNP NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
FC2-M12-CN6L	2mm	Flush	NPN NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
NC4-M12-OP6L	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
NC4-M12-ON6L	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
NC4-M12-CP6L	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
NC4-M12-CN6L	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
FC2-M12-OP6L-Q12	2mm	Flush	PNP NO	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
FC2-M12-ON6L-Q12	2mm	Flush	NPN NO	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
FC2-M12-CP6L-Q12	2mm	Flush	PNP NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
FC2-M12-CN6L-Q12	2mm	Flush	NPN NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
NC4-M12-OP6L-Q12	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4
NC4-M12-ON6L-Q12	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4
NC4-M12-CP6L-Q12	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4
NC4-M12-CN6L-Q12	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4

### Dimensions:

Fig.1

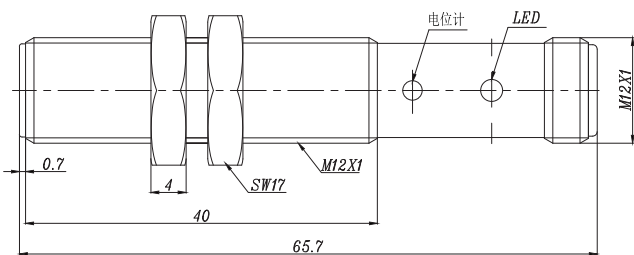


Fig.2

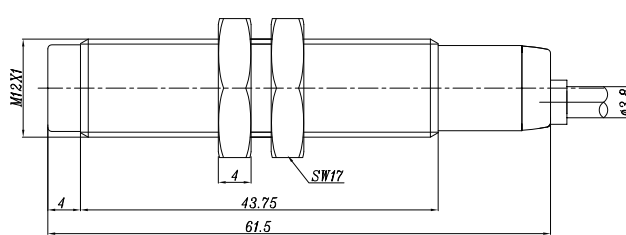


Fig.3

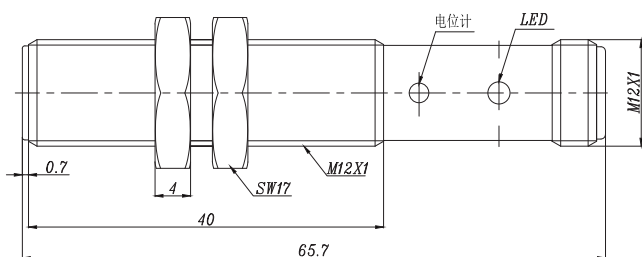
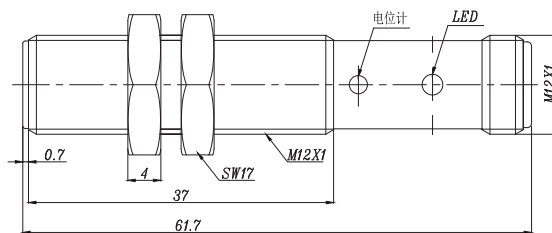


Fig.4



# Metal Barrel-M12



## Description:

Brass nickel-plated, threaded barrel, DC 4-wire output, potentiometer adjustment, IP67 protection class, LED indicator.

## Technical Data:

Type	Rated Operating Distance $S_n$	Mounting	Output	Voltage Range $U_B$	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
FC2-M12-BP6L	2mm	Flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
FC2-M12-BN6L	2mm	Flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.1
NC4-M12-BP6L	4mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
NC4-M12-BN6L	4mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	2m cable	Fig.2
FC2-M12-BP6L-Q12	2mm	Flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
FC2-M12-BN6L-Q12	2mm	Flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.3
NC4-M12-BP6L-Q12	4mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4
NC4-M12-BN6L-Q12	4mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	50Hz	-25...70°C	M12 Connector	Fig.4

Capacitive sensor

## Dimensions:

Fig.1

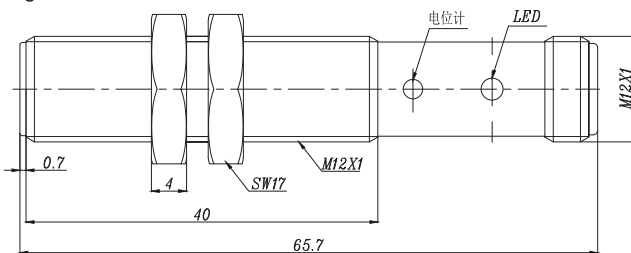


Fig.2

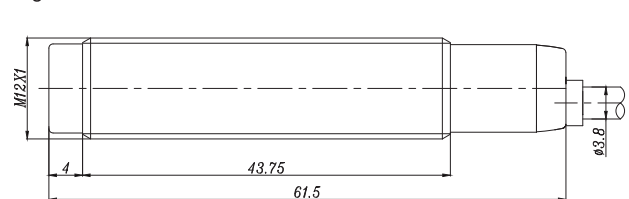


Fig.3

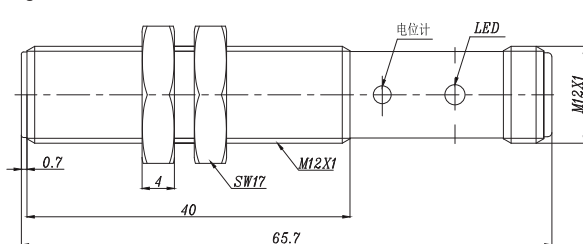


Fig.4

