

Inductive Sensors

M-Sens

G-Sens

G3-Sens

New Design

New Experience

C+R Automations- GmbH

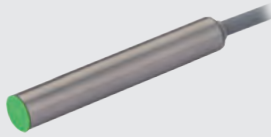
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<< Inductive Sensor

Metal Barrel-H3/H4

3mm glatt / 4mm glatt



Description:

Stainless steel housing, smooth barrel, DC 3-wire output, IP67 protection class, LED indicator, compact size.

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi0.8-KH03-OP6L	0.8mm	Flush	PNP NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KH03-ON6L	0.8mm	Flush	NPN NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KH03-CP6L	0.8mm	Flush	PNP NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KH03-CN6L	0.8mm	Flush	NPN NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi1-KH04-OP6L	1mm	Flush	PNP NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.2
Fi1-KH04-ON6L	1mm	Flush	NPN NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.2
Fi1-KH04-CP6L	1mm	Flush	PNP NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.2
Fi1-KH04-CN6L	1mm	Flush	NPN NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

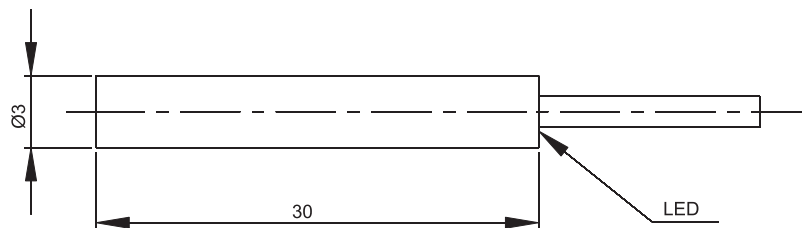
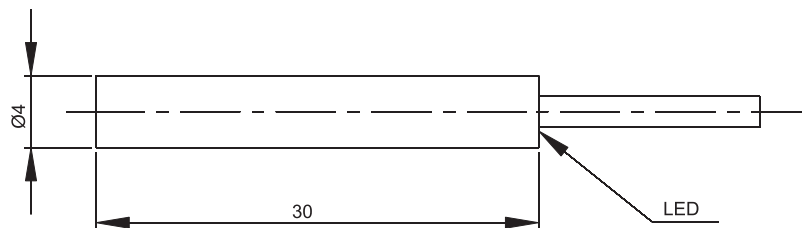


Fig.2



<< Inductive Sensor

Metal Barrel-H6.5S(Short type)



Description:

Stainless steel housing, smooth barrel, DC 3-wire output, IP67 protection class, LED indicator, compact size.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi1.5-KH6.5S-OP6L	1.5mm	Flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5S-ON6L	1.5mm	Flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5S-CP6L	1.5mm	Flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5S-CN6L	1.5mm	Flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Ni2-KH6.5S-OP6L	2mm	Non-flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5S-ON6L	2mm	Non-flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5S-CP6L	2mm	Non-flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5S-CN6L	2mm	Non-flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1.5-KH6.5S-OP6L-Q8	1.5mm	Flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5S-ON6L-Q8	1.5mm	Flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5S-CP6L-Q8	1.5mm	Flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5S-CN6L-Q8	1.5mm	Flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Ni2-KH6.5S-OP6L-Q8	2mm	Non-flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5S-ON6L-Q8	2mm	Non-flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5S-CP6L-Q8	2mm	Non-flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5S-CN6L-Q8	2mm	Non-flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M8 Connector	Fig.4

Dimensions:

Fig.1

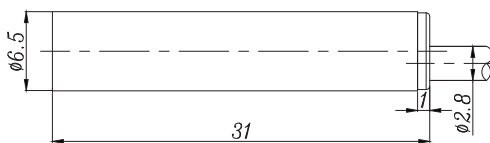


Fig.2

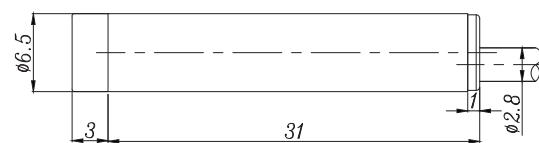


Fig.3

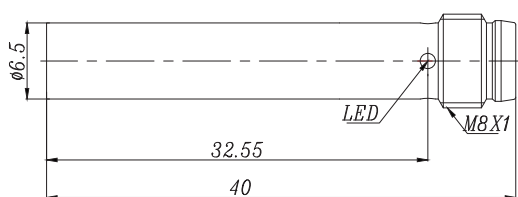
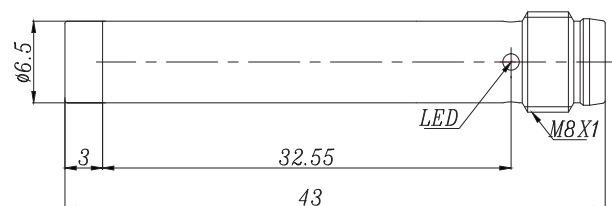


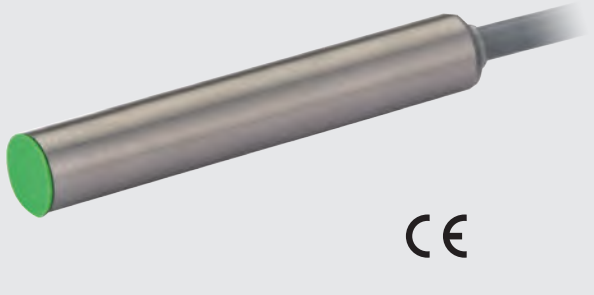
Fig.4



<< Inductive Sensor

Metal Barrel-H6.5

6.5mm glatt



Description:

Stainless steel housing, smooth barrel, DC 3-wire output, I
P67 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
Fi1.5-KH6.5-OP6L	1.5mm	Flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5-ON6L	1.5mm	Flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5-CP6L	1.5mm	Flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-KH6.5-CN6L	1.5mm	Flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Ni2-KH6.5-OP6L	2mm	Non-flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5-ON6L	2mm	Non-flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5-CP6L	2mm	Non-flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Ni2-KH6.5-CN6L	2mm	Non-flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1.5-KH6.5-OP6L-Q8	1.5mm	Flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5-ON6L-Q8	1.5mm	Flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5-CP6L-Q8	1.5mm	Flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1.5-KH6.5-CN6L-Q8	1.5mm	Flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Ni2-KH6.5-OP6L-Q8	2mm	Non-flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5-ON6L-Q8	2mm	Non-flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5-CP6L-Q8	2mm	Non-flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.4
Ni2-KH6.5-CN6L-Q8	2mm	Non-flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.4

Dimensions:

Fig.1

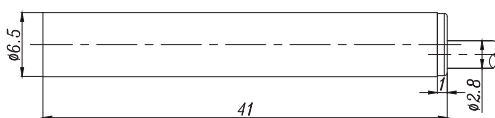


Fig.2

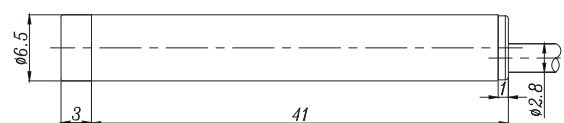


Fig.3

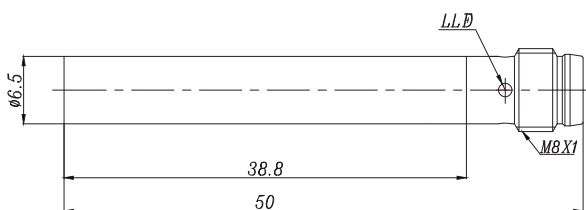
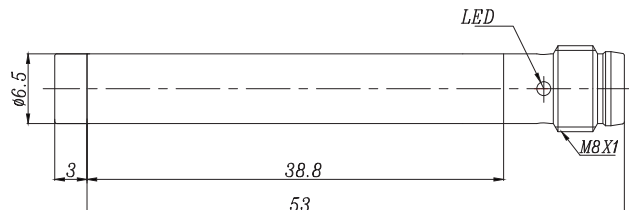


Fig.4



<< Inductive Sensor

Metal Barrel-M4/M5

M4x0.5 / M5x0.5



Description:

Stainless steel housing, threaded barrel, DC 3-wire output, IP67 protection class, LED indicator, compact size.

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi0.8-KM04-OP6L	0.8mm	Flush	PNP NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KM04-ON6L	0.8mm	Flush	NPN NO	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KM04-CP6L	0.8mm	Flush	PNP NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi0.8-KM04-CN6L	0.8mm	Flush	NPN NC	10...30VDC	≤100mA	2500Hz	-25...70°C	2m cable	Fig.1
Fi1-KM05-OP6L	1mm	Flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1-KM05-ON6L	1mm	Flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1-KM05-CP6L	1mm	Flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1-KM05-CN6L	1mm	Flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.2
Fi1-KM05-OP6L-Q8	1mm	Flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1-KM05-ON6L-Q8	1mm	Flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1-KM05-CP6L-Q8	1mm	Flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3
Fi1-KM05-CN6L-Q8	1mm	Flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	M8 Connector	Fig.3

Dimensions:

Fig.1

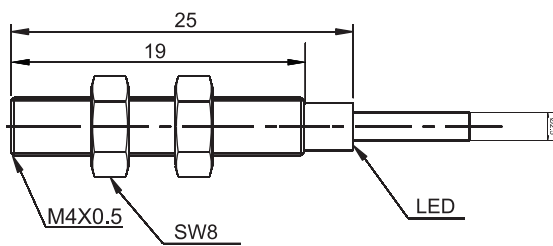


Fig.2

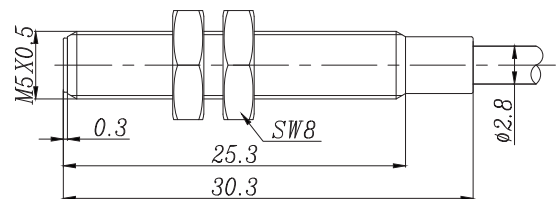
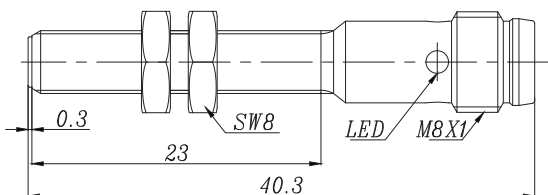


Fig.3



<< Inductive Sensor

Metal Barrel-G3 series

M5x0.5



Description:

Stainless steel housing, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi1.5-G05-OP6L	1.5mm	Flush	PNP NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-G05-CP6L	1.5mm	Flush	PNP NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-G05-ON6L	1.5mm	Flush	NPN NO	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-G05-CN6L	1.5mm	Flush	NPN NC	10...30VDC	≤100mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi1.5-G05-OP6L-Q8	1.5mm	Flush	PNP NO	10...30VDC	<100mA	1000Hz	-25...70°C	M8 connector	Fig.2
Fi1.5-G05-CP6L-Q8	1.5mm	Flush	PNP NC	10...30VDC	<100mA	1000Hz	-25...70°C	M8 connector	Fig.2

Dimensions:

Fig.1

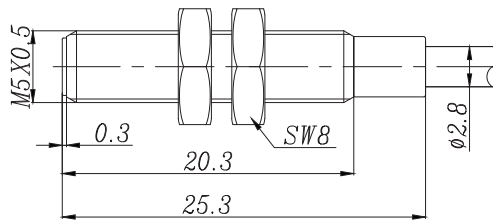
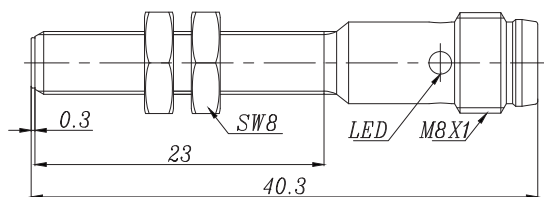


Fig. 2



Metal Barrel-M08

M8x1



Description:

Brass nickel-plated, threaded barrel, DC 3-wire output, IP67 protection class, LED indicator, 10mm shorter size M08S available.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi2-M08-OP6L	2mm	Flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi2-M08-ON6L	2mm	Flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi2-M08-CP6L	2mm	Flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Fi2-M08-CN6L	2mm	Flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	2m cable	Fig.1
Ni3-M08-OP6L	3mm	Non-flush	PNP NO	10...30VDC	≤200mA	800Hz	-25...70°C	2m cable	Fig.2
Ni3-M08-ON6L	3mm	Non-flush	NPN NO	10...30VDC	≤200mA	800Hz	-25...70°C	2m cable	Fig.2
Ni3-M08-CP6L	3mm	Non-flush	PNP NC	10...30VDC	≤200mA	800Hz	-25...70°C	2m cable	Fig.2
Ni3-M08-CN6L	3mm	Non-flush	NPN NC	10...30VDC	≤200mA	800Hz	-25...70°C	2m cable	Fig.2
Fi2-M08-OP6L-Q12	2mm	Flush	PNP NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M12 Connector	Fig.3
Fi2-M08-ON6L-Q12	2mm	Flush	NPN NO	10...30VDC	≤200mA	1000Hz	-25...70°C	M12 Connector	Fig.3
Fi2-M08-CP6L-Q12	2mm	Flush	PNP NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M12 Connector	Fig.3
Fi2-M08-CN6L-Q12	2mm	Flush	NPN NC	10...30VDC	≤200mA	1000Hz	-25...70°C	M12 Connector	Fig.3
Ni3-M08-OP6L-Q12	3mm	Non-flush	PNP NO	10...30VDC	≤200mA	800Hz	-25...70°C	M12 Connector	Fig.4
Ni3-M08-ON6L-Q12	3mm	Non-flush	NPN NO	10...30VDC	≤200mA	800Hz	-25...70°C	M12 Connector	Fig.4
Ni3-M08-CP6L-Q12	3mm	Non-flush	PNP NC	10...30VDC	≤200mA	800Hz	-25...70°C	M12 Connector	Fig.4
Ni3-M08-CN6L-Q12	3mm	Non-flush	NPN NC	10...30VDC	≤200mA	800Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

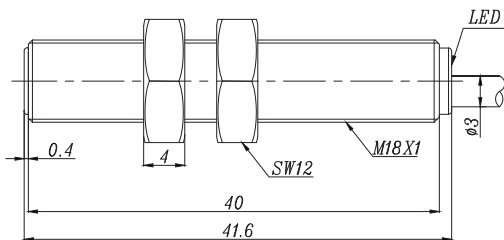


Fig.2

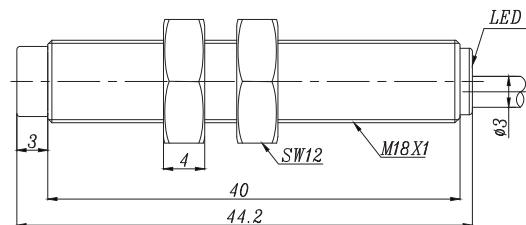


Fig.3

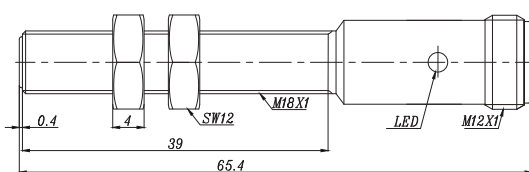
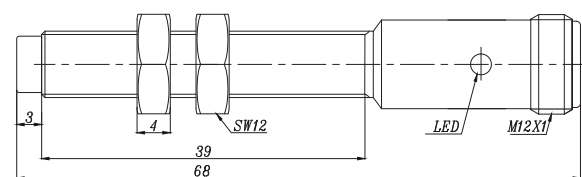
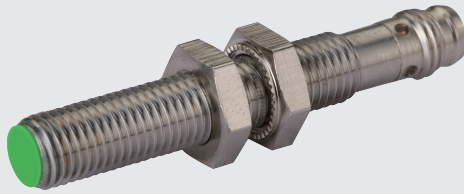


Fig.4



Metal Barrel-M08

M8x1



Description:

Brass nickel-plated, threaded barrel, DC 3-wire output,
IP67 protection class, LED indicator, 10mm shorter size M08S available.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi2-M08-OP6L-Q8	2mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	1000Hz	-25...70°C	M8 Connector	Fig.1
Fi2-M08-ON6L-Q8	2mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	1000Hz	-25...70°C	M8 Connector	Fig.1
Fi2-M08-CP6L-Q8	2mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	1000Hz	-25...70°C	M8 Connector	Fig.1
Fi2-M08-CN6L-Q8	2mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	1000Hz	-25...70°C	M8 Connector	Fig.1
Ni3-M08-OP6L-Q8	3mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	800Hz	-25...70°C	M8 Connector	Fig.2
Ni3-M08-ON6L-Q8	3mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	800Hz	-25...70°C	M8 Connector	Fig.2
Ni3-M08-CP6L-Q8	3mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	800Hz	-25...70°C	M8 Connector	Fig.2
Ni3-M08-CN6L-Q8	3mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	800Hz	-25...70°C	M8 Connector	Fig.2

Dimensions:

Fig.1

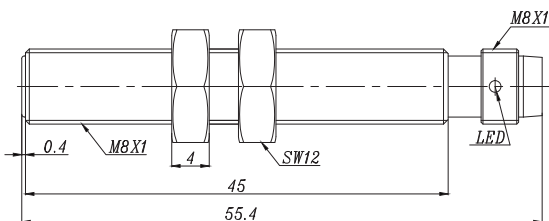
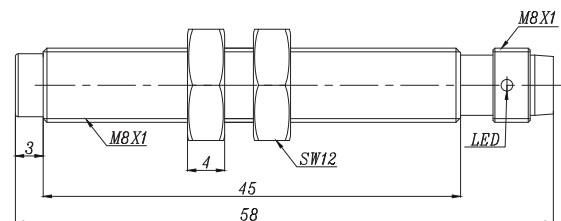


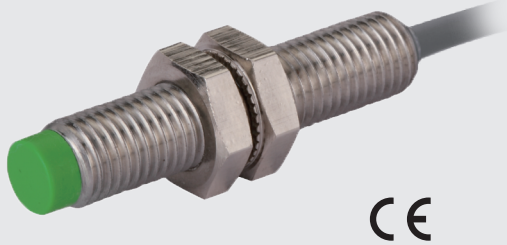
Fig.2



◀◀ Inductive Sensor

Long-Sensing Metal Barrel-M8

M8x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, 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
Ni4-M08-OP6L	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	750Hz	-25...70°C	2m cable	Fig.1
Ni4-M08-ON6L	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	750Hz	-25...70°C	2m cable	Fig.1
Ni4-M08-CP6L	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	750Hz	-25...70°C	2m cable	Fig.1
Ni4-M08-CN6L	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	750Hz	-25...70°C	2m cable	Fig.1
Ni4-M08-OP6L-Q8	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	750Hz	-25...70°C	M8 Connector	Fig.2
Ni4-M08-ON6L-Q8	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	750Hz	-25...70°C	M8 Connector	Fig.2
Ni4-M08-CP6L-Q8	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	750Hz	-25...70°C	M8 Connector	Fig.2
Ni4-M08-CN6L-Q8	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	750Hz	-25...70°C	M8 Connector	Fig.2
Ni4-M08-OP6L-Q12	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	750Hz	-25...70°C	M12 Connector	Fig.3
Ni4-M08-ON6L-Q12	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	750Hz	-25...70°C	M12 Connector	Fig.3
Ni4-M08-CP6L-Q12	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	750Hz	-25...70°C	M12 Connector	Fig.3
Ni4-M08-CN6L-Q12	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	750Hz	-25...70°C	M12 Connector	Fig.3

Dimensions:

Fig.1

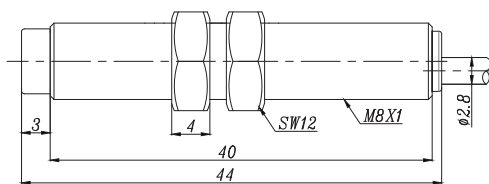


Fig.2

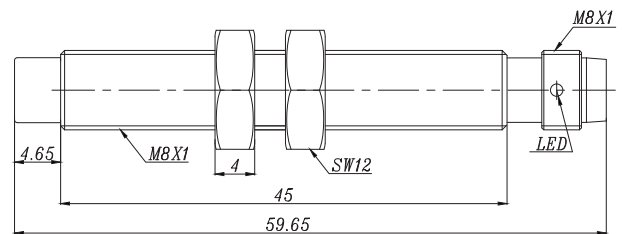
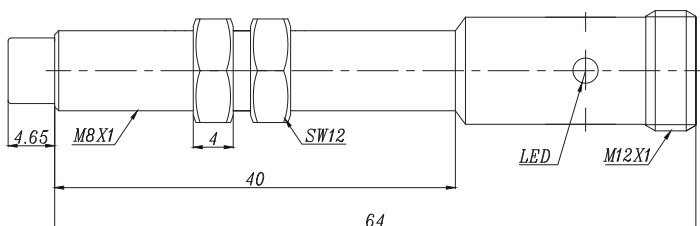


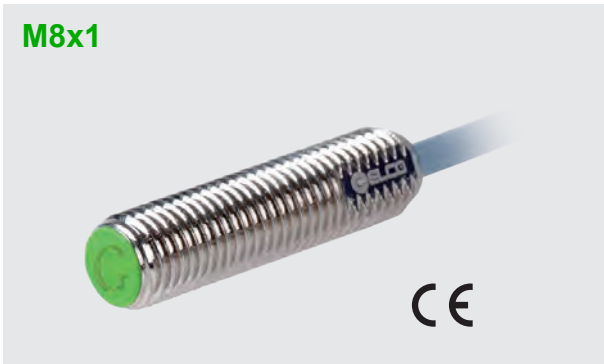
Fig.3



<< Inductive Sensor

Metal Barrel-G series

M8x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_s	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi2-G08-OP6L	2mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	1400Hz	-30...85°C	2m cable	Fig.1
Fi2-G08-CP6L	2mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	1400Hz	-30...85°C	2m cable	Fig.1
Fi2-G08-ON6L	2mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	1400Hz	-30...85°C	2m cable	Fig.1
Fi2-G08-CN6L	2mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	1400Hz	-30...85°C	2m cable	Fig.1
Ni4-G08-OP6L	4mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	750Hz	-30...85°C	2m cable	Fig.2
Ni4-G08-CP6L	4mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	750Hz	-30...85°C	2m cable	Fig.2
Ni4-G08-ON6L	4mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	750Hz	-30...85°C	2m cable	Fig.2
Ni4-G08-CN6L	4mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	750Hz	-30...85°C	2m cable	Fig.2

Dimensions:

Fig.1

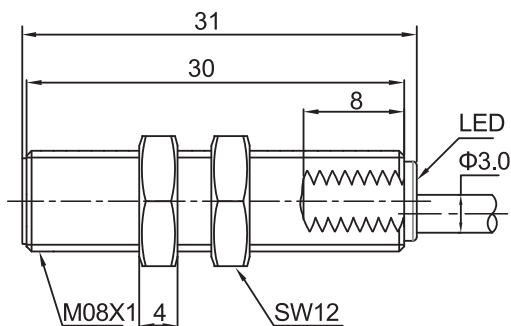
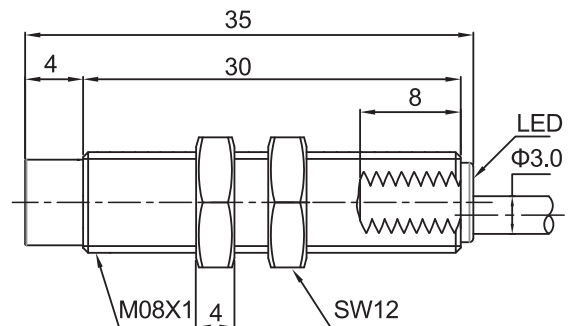


Fig.2



<< Inductive Sensor

Metal Barrel-G series

M8x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi2-G08-OP6L-Q8	2mm	Flush	PNP NO	10...30VDC	≤200mA	1400Hz	-30...85°C	M8 Connector	Fig.1
Fi2-G08-CP6L-Q8	2mm	Flush	PNP NC	10...30VDC	≤200mA	1400Hz	-30...85°C	M8 Connector	Fig.1
Fi2-G08-ON6L-Q8	2mm	Flush	NPN NO	10...30VDC	≤200mA	1400Hz	-30...85°C	M8 Connector	Fig.1
Fi2-G08-CN6L-Q8	2mm	Flush	NPN NC	10...30VDC	≤200mA	1400Hz	-30...85°C	M8 Connector	Fig.1
Ni4-G08-OP6L-Q8	4mm	Non-flush	PNP NO	10...30VDC	≤200mA	750Hz	-30...85°C	M8 Connector	Fig.2
Ni4-G08-CP6L-Q8	4mm	Non-flush	PNP NC	10...30VDC	≤200mA	750Hz	-30...85°C	M8 Connector	Fig.2
Ni4-G08-ON6L-Q8	4mm	Non-flush	NPN NO	10...30VDC	≤200mA	750Hz	-30...85°C	M8 Connector	Fig.2
Ni4-G08-CN6L-Q8	4mm	Non-flush	NPN NC	10...30VDC	≤200mA	750Hz	-30...85°C	M8 Connector	Fig.2

Dimensions:

Fig.1

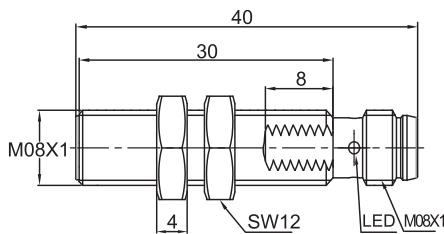
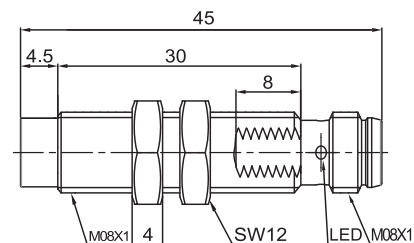


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M8x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi3-G08-OP6L	3mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi3-G08-CP6L	3mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi3-G08-ON6L	3mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi3-G08-CN6L	3mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Ni6-G08-OP6L	6mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.2
Ni6-G08-CP6L	6mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.2
Ni6-G08-ON6L	6mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.2
Ni6-G08-CN6L	6mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

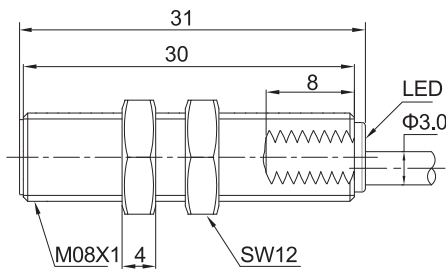
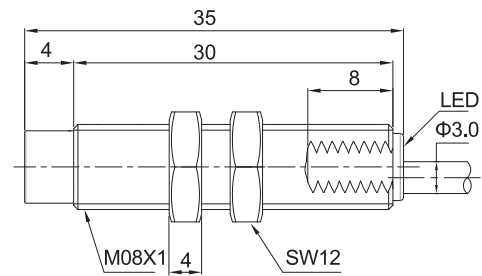


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M8x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator, M8 connector.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi3-G08-OP6L-Q8	3mm	Flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.1
Fi3-G08-CP6L-Q8	3mm	Flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.1
Fi3-G08-ON6L-Q8	3mm	Flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.1
Fi3-G08-CN6L-Q8	3mm	Flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.1
Ni6-G08-OP6L-Q8	6mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.2
Ni6-G08-CP6L-Q8	6mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.2
Ni6-G08-ON6L-Q8	6mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.2
Ni6-G08-CN6L-Q8	6mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	M8 Connector	Fig.2

Dimensions:

Fig.1

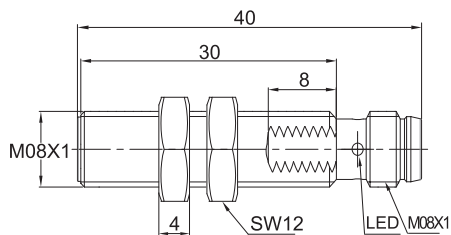
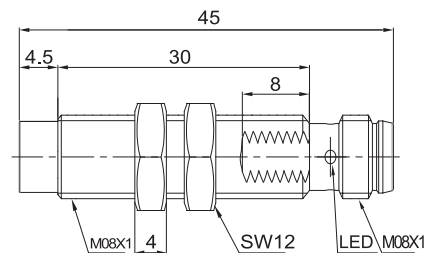


Fig.2



Metal Barrel-M12

M12x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP67 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _p	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi4-M12-OP6L	4mm	Flush	PNP NO	10...30VDC	≤200mA	650Hz	-25...70°C	2m cable	Fig.1
Fi4-M12-ON6L	4mm	Flush	NPN NO	10...30VDC	≤200mA	650Hz	-25...70°C	2m cable	Fig.1
Fi4-M12-CP6L	4mm	Flush	PNP NC	10...30VDC	≤200mA	650Hz	-25...70°C	2m cable	Fig.1
Fi4-M12-CN6L	4mm	Flush	NPN NC	10...30VDC	≤200mA	650Hz	-25...70°C	2m cable	Fig.1
Ni8-M12-OP6L	8mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	2m cable	Fig.2
Ni8-M12-ON6L	8mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	2m cable	Fig.2
Ni8-M12-CP6L	8mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	2m cable	Fig.2
Ni8-M12-CN6L	8mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	2m cable	Fig.2
Fi4-M12-OP6L-Q12	4mm	Flush	PNP NO	10...30VDC	≤200mA	650Hz	-25...70°C	M12 Connector	Fig.3
Fi4-M12-ON6L-Q12	4mm	Flush	NPN NO	10...30VDC	≤200mA	650Hz	-25...70°C	M12 Connector	Fig.3
Fi4-M12-CP6L-Q12	4mm	Flush	PNP NC	10...30VDC	≤200mA	650Hz	-25...70°C	M12 Connector	Fig.3
Fi4-M12-CN6L-Q12	4mm	Flush	NPN NC	10...30VDC	≤200mA	650Hz	-25...70°C	M12 Connector	Fig.3
Ni8-M12-OP6L-Q12	8mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.4
Ni8-M12-ON6L-Q12	8mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.4
Ni8-M12-CP6L-Q12	8mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.4
Ni8-M12-CN6L-Q12	8mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

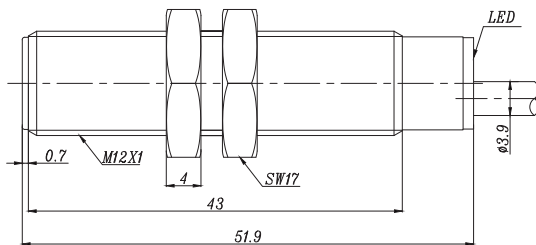


Fig.2

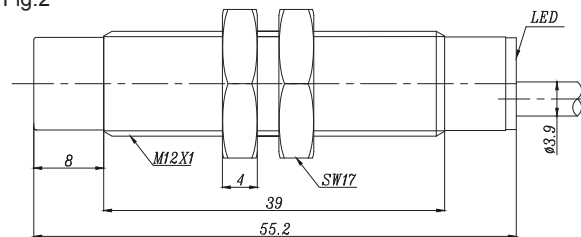


Fig.3

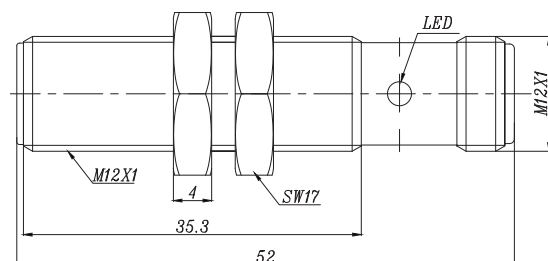
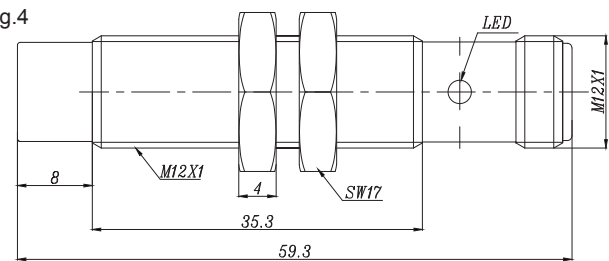


Fig.4



<< Inductive Sensor

Metal Barrel-M12S (Short)

M12x1



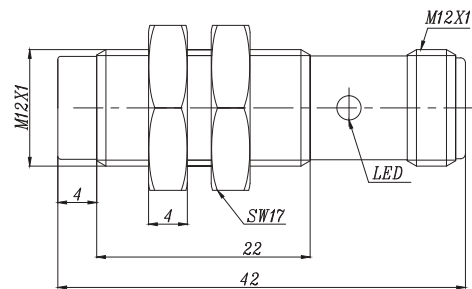
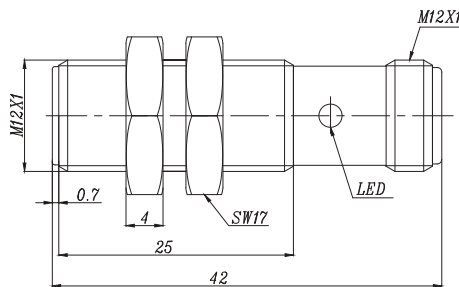
Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP67 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _p	Rated Current				
Fi4-M12S-OP6L-Q12	4mm	Ø • @	PNP NO	10...30VDC	≤100mA	650Hz	-25...70°C	M12 Connector	
Fi4-M12S-ON6L-Q12	4mm	Ø • @	NPN NO	10...30VDC	≤100mA	650Hz	-25...70°C	M12 Connector	
Fi4-M12S-CP6L-Q12	4mm	Ø • @	PNP NC	10...30VDC	≤100mA	650Hz	-25...70°C	M12 Connector	
Fi4-M12S-CN6L-Q12	4mm	Ø • @	NPN NC	10...30VDC	≤100mA	650Hz	-25...70°C	M12 Connector	
Ni8-M12S-OP6L-Q12	8mm	Non-flush	PNP NO	10...30VDC	≤100mA	500Hz	-25...70°C	M12 Connector	
Ni8-M12S-ON6L-Q12	8mm	Non-flush	NPN NO	10...30VDC	≤100mA	500Hz	-25...70°C	M12 Connector	
Ni8-M12S-CP6L-Q12	8mm	Non-flush	PNP NC	10...30VDC	≤100mA	500Hz	-25...70°C	M12 Connector	
Ni8-M12S-CN6L-Q12	8mm	Non-flush	NPN NC	10...30VDC	≤100mA	500Hz	-25...70°C	M12 Connector	

Dimensions:



<< Inductive Sensor

Metal Barrel-G series

M12x1



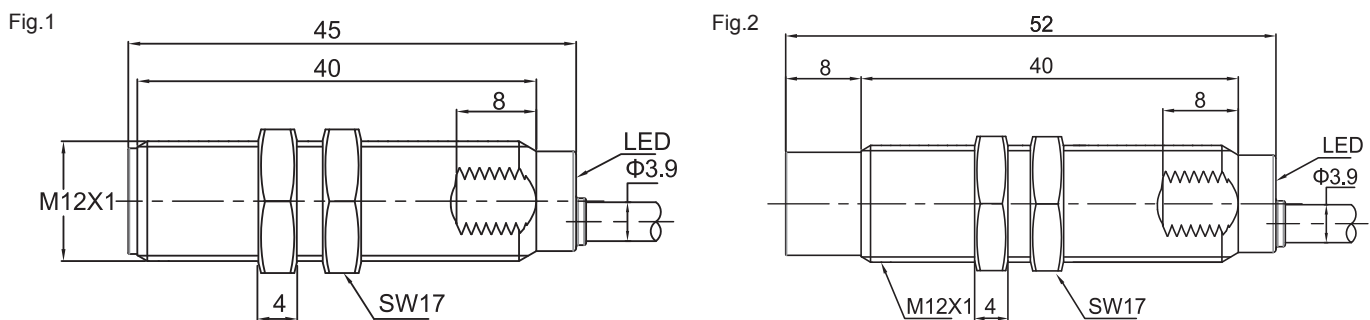
Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 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
Fi4-G12-OP6L	4mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	2m cable	Fig.1
Fi4-G12-CP6L	4mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	2m cable	Fig.1
Fi4-G12-ON6L	4mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	2m cable	Fig.1
Fi4-G12-CN6L	4mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	2m cable	Fig.1
Ni6-G12-OP6L	6mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	2m cable	Fig.2
Ni6-G12-CP6L	6mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	2m cable	Fig.2
Ni6-G12-ON6L	6mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	2m cable	Fig.2
Ni6-G12-CN6L	6mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	2m cable	Fig.2
Ni8-G12-OP6L	8mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	2m cable	Fig.2
Ni8-G12-CP6L	8mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	2m cable	Fig.2
Ni8-G12-ON6L	8mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	2m cable	Fig.2
Ni8-G12-CN6L	8mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	2m cable	Fig.2

Dimensions:



<< Inductive Sensor

Metal Barrel-G series

M12x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 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
Fi4-G12-OP6L-Q12	4mm	Flush	PNP NO	10...30VDC	≤200mA	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-CP6L-Q12	4mm	Flush	PNP NC	10...30VDC	≤200mA	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-ON6L-Q12	4mm	Flush	NPN NO	10...30VDC	≤200mA	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-CN6L-Q12	4mm	Flush	NPN NC	10...30VDC	≤200mA	650Hz	-30...85°C	M12 Connector	Fig.1
Ni6-G12-OP6L-Q12	6mm	Non-flush	PNP NO	10...30VDC	≤200mA	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-CP6L-Q12	6mm	Non-flush	PNP NC	10...30VDC	≤200mA	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-ON6L-Q12	6mm	Non-flush	NPN NO	10...30VDC	≤200mA	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-CN6L-Q12	6mm	Non-flush	NPN NC	10...30VDC	≤200mA	600Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-OP6L-Q12	8mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-CP6L-Q12	8mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-ON6L-Q12	8mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-CN6L-Q12	8mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.2

Dimensions:

Fig.1

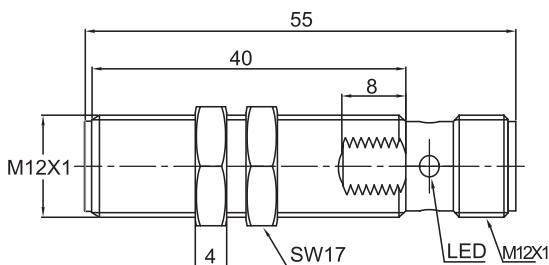
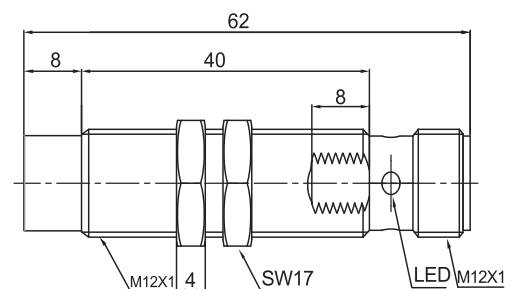


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M12x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 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
Fi6-G12-OP6L	6mm	Flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi6-G12-CP6L	6mm	Flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi6-G12-ON6L	6mm	Flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi6-G12-CN6L	6mm	Flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Ni10-G12-OP6L	10mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni10-G12-CP6L	10mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni10-G12-ON6L	10mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni10-G12-CN6L	10mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

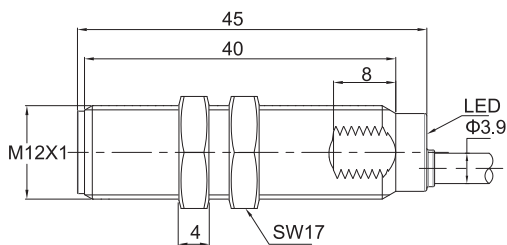
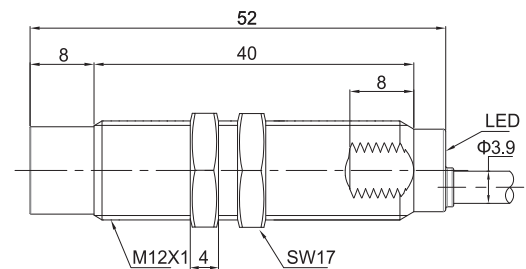


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M12x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator, M12 connector.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi6-G12-OP6L-Q12	6mm	Flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.1
Fi6-G12-CP6L-Q12	6mm	Flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.1
Fi6-G12-ON6L-Q12	6mm	Flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.1
Fi6-G12-CN6L-Q12	6mm	Flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.1
Ni10-G12-OP6L-Q12	10mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.2
Ni10-G12-CP6L-Q12	10mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.2
Ni10-G12-ON6L-Q12	10mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.2
Ni10-G12-CN6L-Q12	10mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

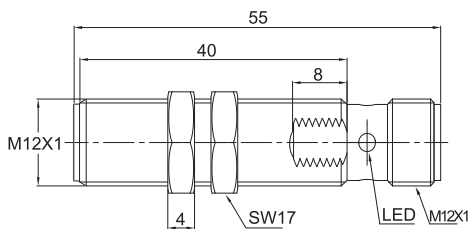
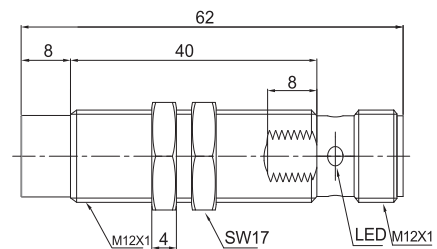


Fig.2



Metal Barrel-M18

M18x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP67 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_n	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi8-M18-OP6L	8mm	Flush	NO PNP	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi8-M18-ON6L	8mm	Flush	NO NPN	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi8-M18-CP6L	8mm	Flush	NC PNP	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Fi8-M18-CN6L	8mm	Flush	NC NPN	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	2m cable	Fig.1
Ni12-M18-OP6L	12mm	Non-flush	NO PNP	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	2m cable	Fig.2
Ni12-M18-ON6L	12mm	Non-flush	NO NPN	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	2m cable	Fig.2
Ni12-M18-CP6L	12mm	Non-flush	NC PNP	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	2m cable	Fig.2
Ni12-M18-CN6L	12mm	Non-flush	NC NPN	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	2m cable	Fig.2
Fi8-M18-OP6L-Q12	8mm	Flush	NO PNP	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	M12 Connector	Fig.3
Fi8-M18-ON6L-Q12	8mm	Flush	NO NPN	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	M12 Connector	Fig.3
Fi8-M18-CP6L-Q12	8mm	Flush	NC PNP	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	M12 Connector	Fig.3
Fi8-M18-CN6L-Q12	8mm	Flush	NC NPN	10...30VDC	$\leq 200\text{mA}$	500Hz	-25...70°C	M12 Connector	Fig.3
Ni12-M18-OP6L-Q12	12mm	Non-flush	NO PNP	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	M12 Connector	Fig.4
Ni12-M18-ON6L-Q12	12mm	Non-flush	NO NPN	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	M12 Connector	Fig.4
Ni12-M18-CP6L-Q12	12mm	Non-flush	NC PNP	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	M12 Connector	Fig.4
Ni12-M18-CN6L-Q12	12mm	Non-flush	NC NPN	10...30VDC	$\leq 200\text{mA}$	350Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

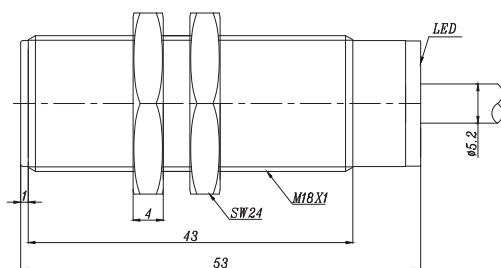


Fig.2

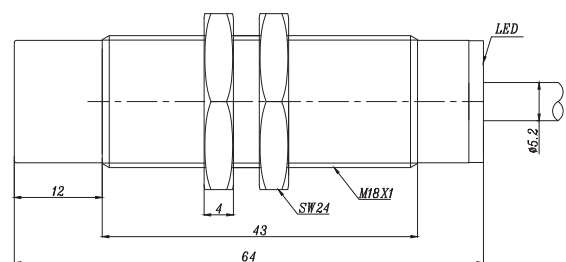


Fig.3

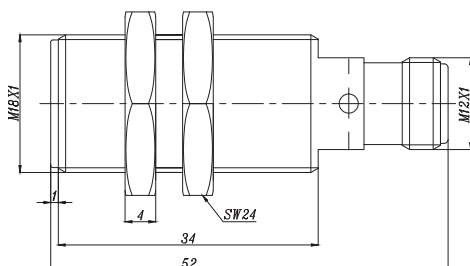
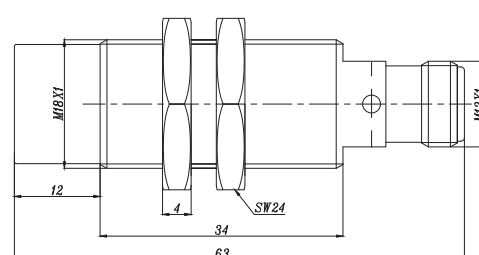


Fig.4



<< Inductive Sensor

Metal Barrel-G series

M18x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 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
Fi8-G18-OP6L	8mm	Flush	PNP NO	10...30VDC	≤200mA	500Hz	-30...85°C	2m cable	Fig.1
Fi8-G18-CP6L	8mm	Flush	PNP NC	10...30VDC	≤200mA	500Hz	-30...85°C	2m cable	Fig.1
Fi8-G18-ON6L	8mm	Flush	NPN NO	10...30VDC	≤200mA	500Hz	-30...85°C	2m cable	Fig.1
Fi8-G18-CN6L	8mm	Flush	NPN NC	10...30VDC	≤200mA	500Hz	-30...85°C	2m cable	Fig.1
Ni12-G18-OP6L	12mm	Non-flush	PNP NO	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.2
Ni12-G18-CP6L	12mm	Non-flush	PNP NC	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.2
Ni12-G18-ON6L	12mm	Non-flush	NPN NO	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.2
Ni12-G18-CN6L	12mm	Non-flush	NPN NC	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.2
Ni16-G18-OP6L	16mm	Non-flush	PNP NO	10...30VDC	≤200mA	250Hz	-30...85°C	2m cable	Fig.2
Ni16-G18-CP6L	16mm	Non-flush	PNP NC	10...30VDC	≤200mA	250Hz	-30...85°C	2m cable	Fig.2
Ni16-G18-ON6L	16mm	Non-flush	NPN NO	10...30VDC	≤200mA	250Hz	-30...85°C	2m cable	Fig.2
Ni16-G18-CN6L	16mm	Non-flush	NPN NC	10...30VDC	≤200mA	250Hz	-30...85°C	2m cable	Fig.2

Dimensions:

Fig.1

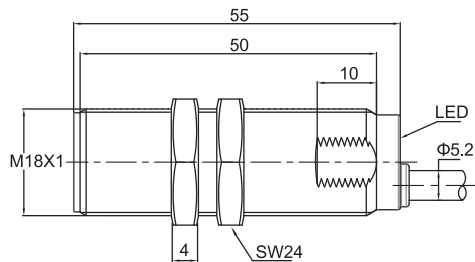
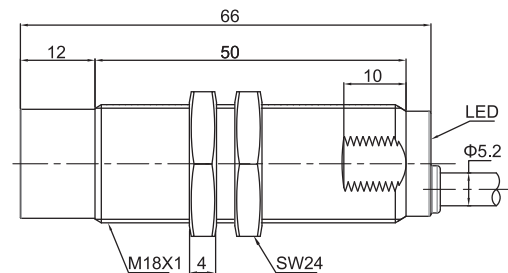


Fig.2



<< Inductive Sensor

Metal Barrel-G series

M18x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U _a	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi8-G18-OP6L-Q12	8mm	Flush	PNP NO	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.1
Fi8-G18-CP6L-Q12	8mm	Flush	PNP NC	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.1
Fi8-G18-ON6L-Q12	8mm	Flush	NPN NO	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.1
Fi8-G18-CN6L-Q12	8mm	Flush	NPN NC	10...30VDC	≤200mA	500Hz	-30...85°C	M12 Connector	Fig.1
Ni12-G18-OP6L-Q12	12mm	Non-flush	PNP NO	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.2
Ni12-G18-CP6L-Q12	12mm	Non-flush	PNP NC	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.2
Ni12-G18-ON6L-Q12	12mm	Non-flush	NPN NO	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.2
Ni12-G18-CN6L-Q12	12mm	Non-flush	NPN NC	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.2
Ni16-G18-OP6L-Q12	16mm	Non-flush	PNP NO	10...30VDC	≤200mA	250Hz	-30...85°C	M12 Connector	Fig.2
Ni16-G18-CP6L-Q12	16mm	Non-flush	PNP NC	10...30VDC	≤200mA	250Hz	-30...85°C	M12 Connector	Fig.2
Ni16-G18-ON6L-Q12	16mm	Non-flush	NPN NO	10...30VDC	≤200mA	250Hz	-30...85°C	M12 Connector	Fig.2
Ni16-G18-CN6L-Q12	16mm	Non-flush	NPN NC	10...30VDC	≤200mA	250Hz	-30...85°C	M12 Connector	Fig.2

Dimensions:

Fig.1

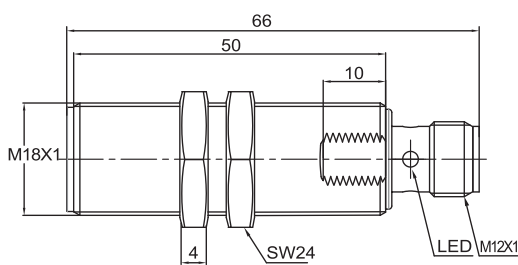
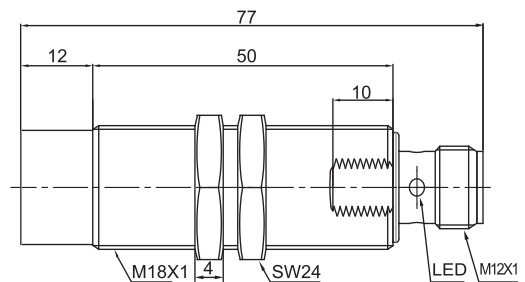


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M18x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _s	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi12-G18-OP6L	12mm	Flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi12-G18-CP6L	12mm	Flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi12-G18-ON6L	12mm	Flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi12-G18-CN6L	12mm	Flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Ni20-G18-OP6L	20mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni20-G18-CP6L	20mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni20-G18-ON6L	20mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni20-G18-CN6L	20mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

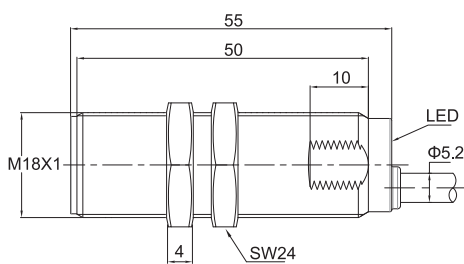
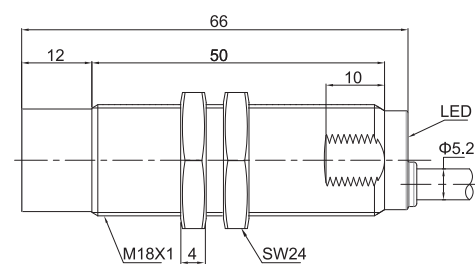


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M18x1



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator, M12 connector.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi12-G18-OP6L-Q12	12mm	Flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi12-G18-CP6L-Q12	12mm	Flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi12-G18-ON6L-Q12	12mm	Flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi12-G18-CN6L-Q12	12mm	Flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Ni20-G18-OP6L-Q12	20mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni20-G18-CP6L-Q12	20mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni20-G18-ON6L-Q12	20mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni20-G18-CN6L-Q12	20mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

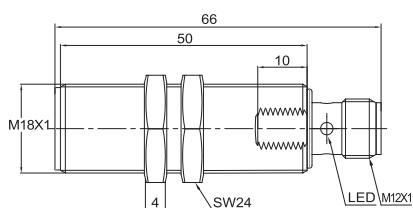
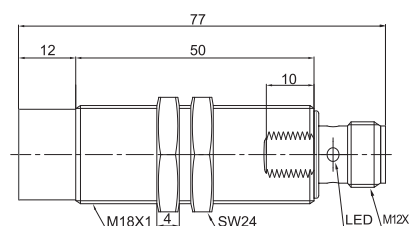


Fig.2



<< Inductive Sensor

Metal Barrel-G series

M30x1.5



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance S _n	Mounting	Output	Voltage Range U _R	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi15-G30-OP6L	15mm	Flush	PNP NO	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.1
Fi15-G30-CP6L	15mm	Flush	PNP NC	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.1
Fi15-G30-ON6L	15mm	Flush	NPN NO	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.1
Fi15-G30-CN6L	15mm	Flush	NPN NC	10...30VDC	≤200mA	350Hz	-30...85°C	2m cable	Fig.1
Ni22-G30-OP6L	22mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-30...85°C	2m cable	Fig.2
Ni22-G30-CP6L	22mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-30...85°C	2m cable	Fig.2
Ni22-G30-ON6L	22mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-30...85°C	2m cable	Fig.2
Ni22-G30-CN6L	22mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-30...85°C	2m cable	Fig.2
Ni30-G30-OP6L	30mm	Non-flush	PNP NO	10...30VDC	≤200mA	75Hz	-30...85°C	2m cable	Fig.2
Ni30-G30-CP6L	30mm	Non-flush	PNP NC	10...30VDC	≤200mA	75Hz	-30...85°C	2m cable	Fig.2
Ni30-G30-ON6L	30mm	Non-flush	NPN NO	10...30VDC	≤200mA	75Hz	-30...85°C	2m cable	Fig.2
Ni30-G30-CN6L	30mm	Non-flush	NPN NC	10...30VDC	≤200mA	75Hz	-30...85°C	2m cable	Fig.2

Dimensions:

Fig.1

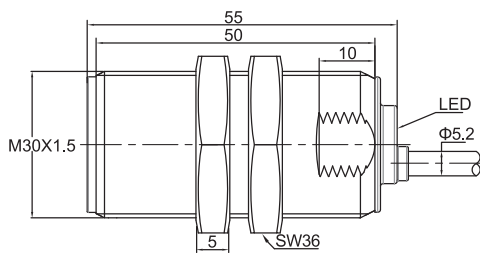
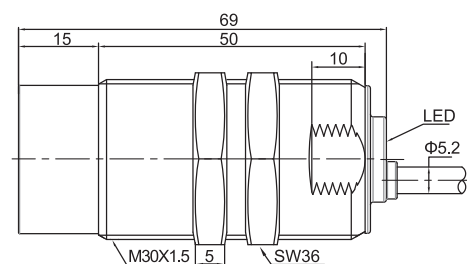


Fig.2



<< Inductive Sensor

Metal Barrel-G series

M30x1.5



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 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
Fi15-G30-OP6L-Q12	15mm	Flush	PNP NO	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.1
Fi15-G30-CP6L-Q12	15mm	Flush	PNP NC	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.1
Fi15-G30-ON6L-Q12	15mm	Flush	NPN NO	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.1
Fi15-G30-CN6L-Q12	15mm	Flush	NPN NC	10...30VDC	≤200mA	350Hz	-30...85°C	M12 Connector	Fig.1
Ni22-G30-OP6L-Q12	22mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-30...85°C	M12 Connector	Fig.2
Ni22-G30-CP6L-Q12	22mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-30...85°C	M12 Connector	Fig.2
Ni22-G30-ON6L-Q12	22mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-30...85°C	M12 Connector	Fig.2
Ni22-G30-CN6L-Q12	22mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-30...85°C	M12 Connector	Fig.2
Ni30-G30-OP6L-Q12	30mm	Non-flush	PNP NO	10...30VDC	≤200mA	75Hz	-30...85°C	M12 Connector	Fig.2
Ni30-G30-CP6L-Q12	30mm	Non-flush	PNP NC	10...30VDC	≤200mA	75Hz	-30...85°C	M12 Connector	Fig.2
Ni30-G30-ON6L-Q12	30mm	Non-flush	NPN NO	10...30VDC	≤200mA	75Hz	-30...85°C	M12 Connector	Fig.2
Ni30-G30-CN6L-Q12	30mm	Non-flush	NPN NC	10...30VDC	≤200mA	75Hz	-30...85°C	M12 Connector	Fig.2

Dimensions:

Fig.1

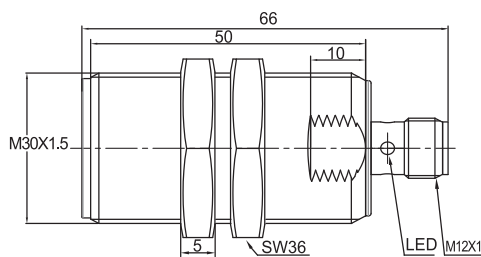
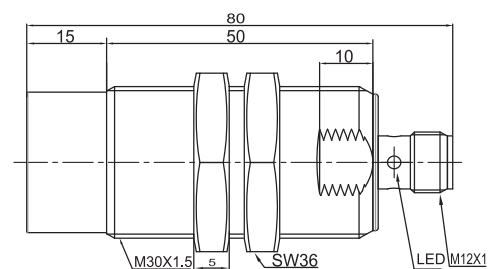


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M30x1.5



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator.

Inductive Sensors

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi20-G30-OP6L	20mm	Flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi20-G30-CP6L	20mm	Flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi20-G30-ON6L	20mm	Flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Fi20-G30-CN6L	20mm	Flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.1
Ni38-G30-OP6L	38mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni38-G30-CP6L	38mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni38-G30-ON6L	38mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni38-G30-CN6L	38mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

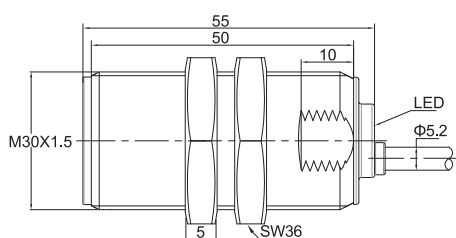
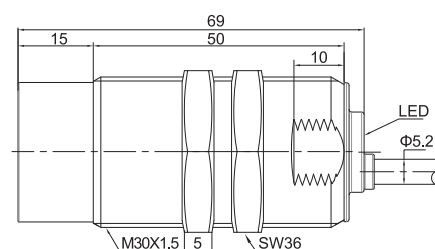


Fig.2



<< Inductive Sensor

Metal Barrel-G3 series

M30x1.5



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP68 protection class, LED indicator, M12 connector.

Technical Data:

Type	Rated Operating Distance S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi20-G30-OP6L-Q12	20mm	Flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi20-G30-CP6L-Q12	20mm	Flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi20-G30-ON6L-Q12	20mm	Flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Fi20-G30-CN6L-Q12	20mm	Flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.1
Ni38-G30-OP6L-Q12	38mm	Non-flush	PNP NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni38-G30-CP6L-Q12	38mm	Non-flush	PNP NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni38-G30-ON6L-Q12	38mm	Non-flush	NPN NO	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2
Ni38-G30-CN6L-Q12	38mm	Non-flush	NPN NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.2

Dimensions:

Fig.1

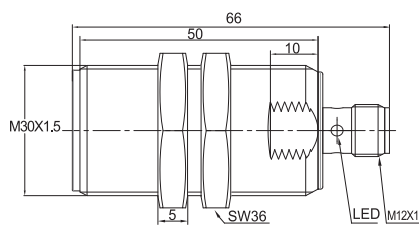


Fig.2

