

Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, DC 2-wire output, IP67 protection class, LED indicator.

Inductive Sensors

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi10-M30-OD6L	10mm	Flush	DC NO	10...30VDC	≤100mA	400Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-CD6L	10mm	Flush	DC NC	10...30VDC	≤100mA	400Hz	-25...70°C	2m cable	Fig.1
Ni15-M30-OD6L	15mm	Non-flush	DC NO	10...30VDC	≤100mA	200Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-CD6L	15mm	Non-flush	DC NC	10...30VDC	≤100mA	200Hz	-25...70°C	2m cable	Fig.2
Fi10-M30-OD6L-Q12	10mm	Flush	DC NO	10...30VDC	≤100mA	400Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-CD6L-Q12	10mm	Flush	DC NC	10...30VDC	≤100mA	400Hz	-25...70°C	M12 Connector	Fig.3
Ni15-M30-OD6L-Q12	15mm	Non-flush	DC NO	10...30VDC	≤100mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-CD6L-Q12	15mm	Non-flush	DC NC	10...30VDC	≤100mA	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

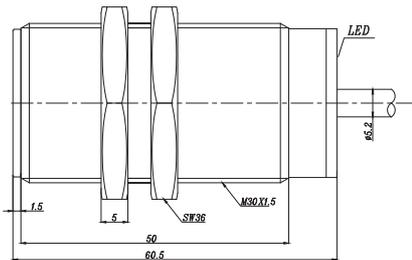


Fig.2

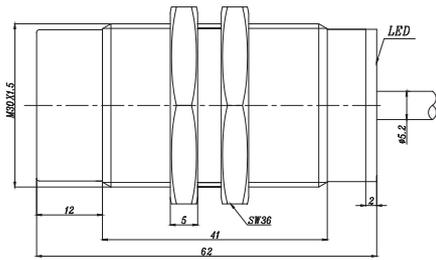


Fig.3

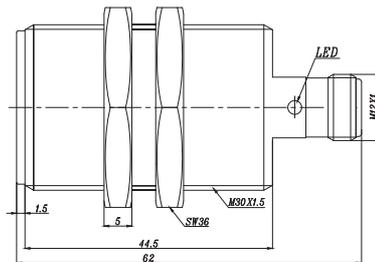
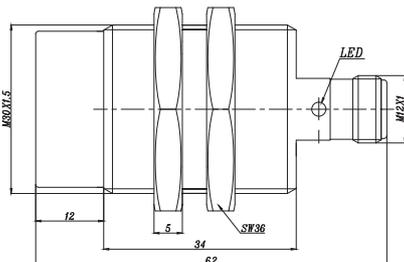


Fig.4



Inductive Sensor

Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, 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
Fi10-M30-OP6L	10mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-ON6L	10mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-CP6L	10mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-CN6L	10mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	2m cable	Fig.1
Ni15-M30-OP6L	15mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-ON6L	15mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-CP6L	15mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-CN6L	15mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	2m cable	Fig.2
Fi10-M30-OP6L-Q12	10mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-ON6L-Q12	10mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-CP6L-Q12	10mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-CN6L-Q12	10mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	400Hz	-25...70°C	M12 Connector	Fig.3
Ni15-M30-OP6L-Q12	15mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-ON6L-Q12	15mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-CP6L-Q12	15mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-CN6L-Q12	15mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

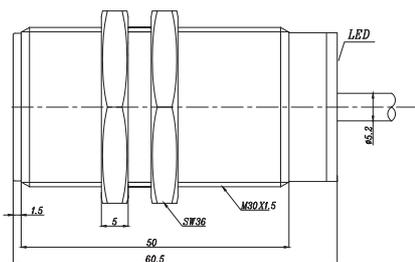


Fig.2

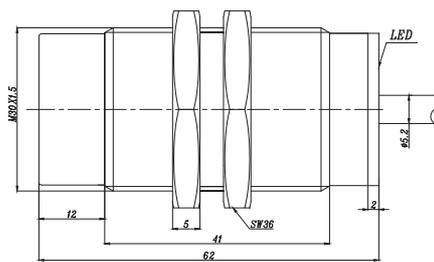


Fig.3

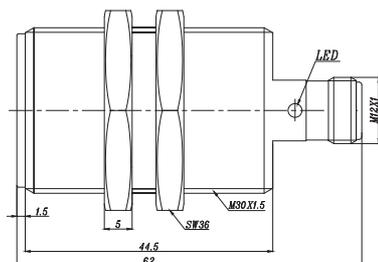
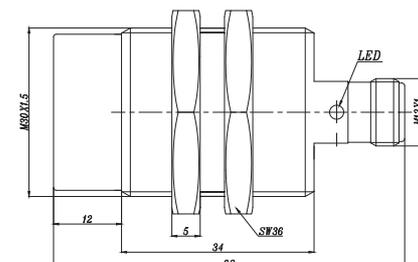


Fig.4



Metal Barrel-M30



Description:

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

Inductive Sensors

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U_s	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi10-M30-BP6L	10mm	Flush	PNP NO+NC	10...30VDC	≤200mA	400Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-BN6L	10mm	Flush	NPN NO+NC	10...30VDC	≤200mA	400Hz	-25...70°C	2m cable	Fig.1
Ni15-M30-BP6L	15mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-BN6L	15mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Fi10-M30-BP6L-Q12	10mm	Flush	PNP NO+NC	10...30VDC	≤200mA	400Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-BN6L-Q12	10mm	Flush	NPN NO+NC	10...30VDC	≤200mA	400Hz	-25...70°C	M12 Connector	Fig.3
Ni15-M30-BP6L-Q12	15mm	Non-flush	PNP NO+NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-BN6L-Q12	15mm	Non-flush	NPN NO+NC	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

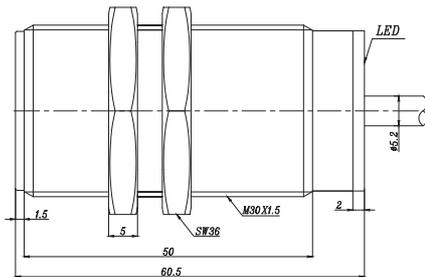


Fig.2

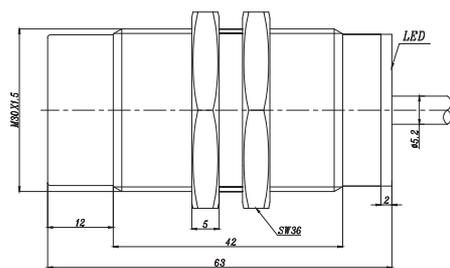


Fig.3

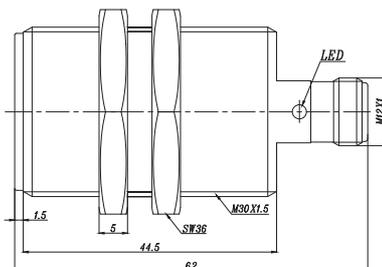
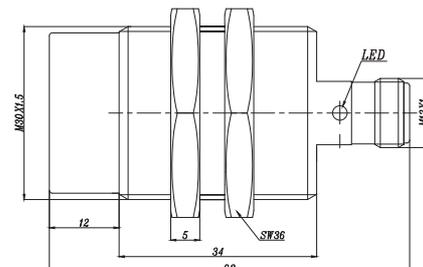


Fig.4



Inductive Sensor

Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, AC 2-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
Fi10-M30-OSA3L	10mm	Flush	AC NO	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-CSA3L	10mm	Flush	AC NC	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	2m cable	Fig.1
Ni15-M30-OSA3L	15mm	Non-flush	AC NO	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-CSA3L	15mm	Non-flush	AC NC	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	2m cable	Fig.2
Fi10-M30-OSA3L-Q12	10mm	Flush	AC NO	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-CSA3L-Q12	10mm	Flush	AC NC	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	M12 Connector	Fig.3
Ni15-M30-OSA3L-Q12	15mm	Non-flush	AC NO	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-CSA3L-Q12	15mm	Non-flush	AC NC	20...250VAC	$\leq 200\text{mA}$	40Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

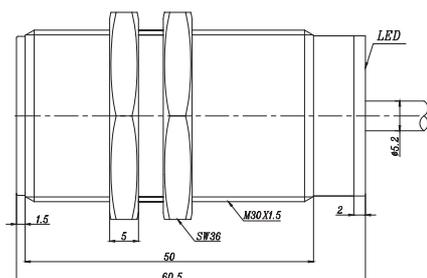


Fig.2

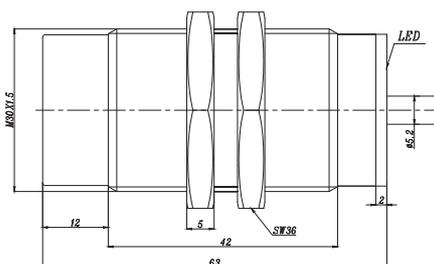


Fig.3

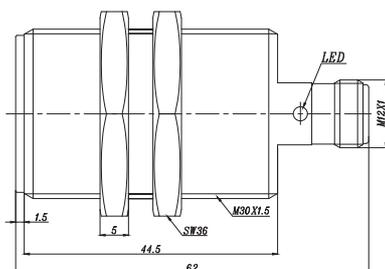
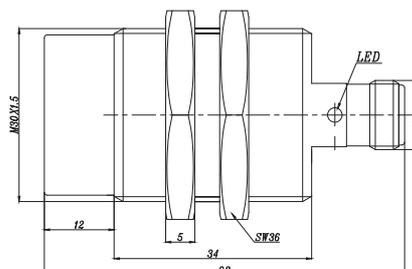


Fig.4



Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, AC/DC 2-wire output, IP67 protection class, LED indicator.

Inductive Sensors

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi10-M30-OA41L	10mm	Flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	2m cable	Fig.1
Fi10-M30-CA41L	10mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	2m cable	Fig.1
Ni15-M30-OA41L	15mm	Non-flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	2m cable	Fig.2
Ni15-M30-CA41L	15mm	Non-flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	2m cable	Fig.2
Fi10-M30-OA41L-Q12	10mm	Flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	M12 Connector	Fig.3
Fi10-M30-CA41L-Q12	10mm	Flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	M12 Connector	Fig.3
Ni15-M30-OA41L-Q12	15mm	Non-flush	DC/AC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	M12 Connector	Fig.4
Ni15-M30-CA41L-Q12	15mm	Non-flush	DC/AC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	40Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

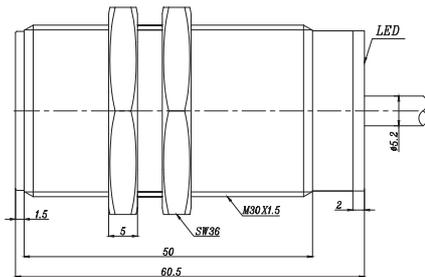


Fig.2

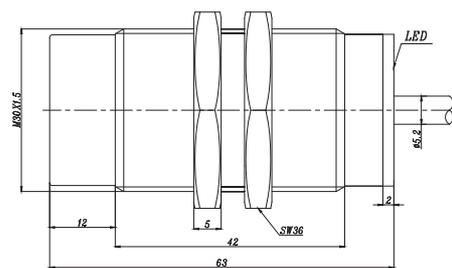


Fig.3

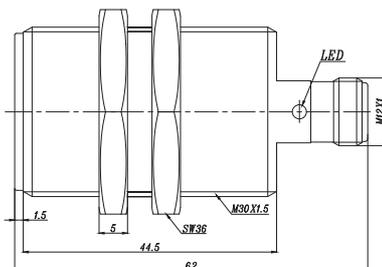
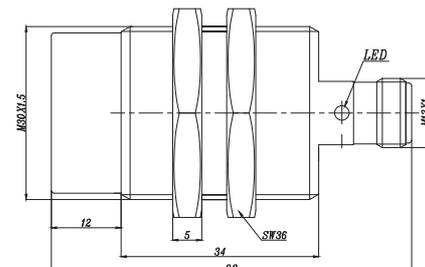


Fig.4



<< Inductive Sensor

Long-Sensing Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 2-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
Fi15-M30-OD6L	15mm	Flush	NO DC	10...30VDC	≤100mA	350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-CD6L	15mm	Flush	NC DC	10...30VDC	≤100mA	350Hz	-25...70°C	2m cable	Fig.1
Ni22-M30-OD6L	22mm	Non-flush	NO DC	10...30VDC	≤100mA	200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-CD6L	22mm	Non-flush	NC DC	10...30VDC	≤100mA	200Hz	-25...70°C	2m cable	Fig.2
Fi15-M30-OD6L-Q12	15mm	Flush	NO DC	10...30VDC	≤100mA	350Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-CD6L-Q12	15mm	Flush	NC DC	10...30VDC	≤100mA	350Hz	-25...70°C	M12 Connector	Fig.3
Ni22-M30-OD6L-Q12	22mm	Non-flush	NO DC	10...30VDC	≤100mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-CD6L-Q12	22mm	Non-flush	NC DC	10...30VDC	≤100mA	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

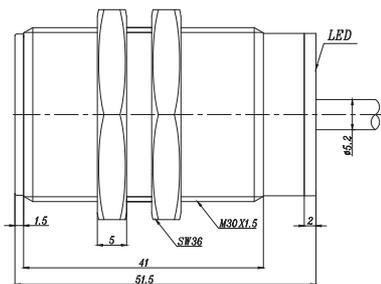


Fig.2

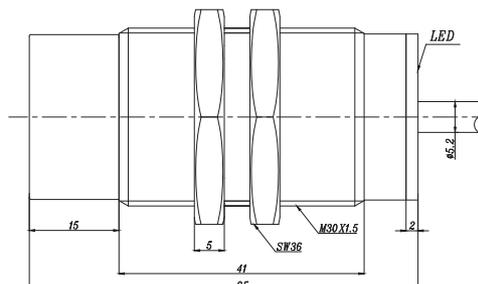


Fig.3

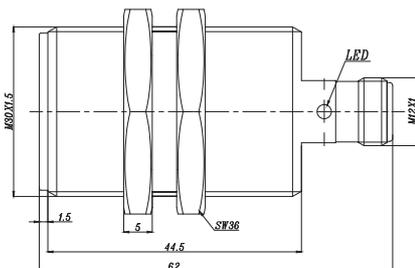
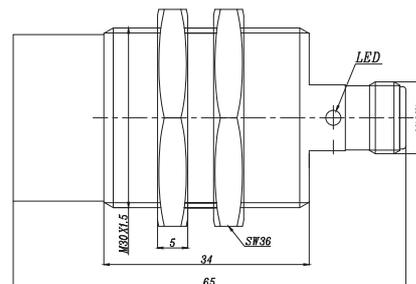


Fig.4



Long-Sensing Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 3-wire output, IP67 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
Fi15-M30-OP6L	15mm	Flush	NO PNP	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-ON6L	15mm	Flush	NO NPN	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-CP6L	15mm	Flush	NC PNP	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-CN6L	15mm	Flush	NC NPN	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Ni22-M30-OP6L	22mm	Non-flush	NO PNP	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-ON6L	22mm	Non-flush	NO NPN	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-CP6L	22mm	Non-flush	NC PNP	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-CN6L	22mm	Non-flush	NC NPN	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Fi15-M30-OP6L-Q12	15mm	Flush	NO PNP	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-ON6L-Q12	15mm	Flush	NO NPN	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-CP6L-Q12	15mm	Flush	NC PNP	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-CN6L-Q12	15mm	Flush	NC NPN	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Ni22-M30-OP6L-Q12	22mm	Non-flush	NO PNP	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-ON6L-Q12	22mm	Non-flush	NO NPN	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-CP6L-Q12	22mm	Non-flush	NC PNP	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-CN6L-Q12	22mm	Non-flush	NC NPN	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

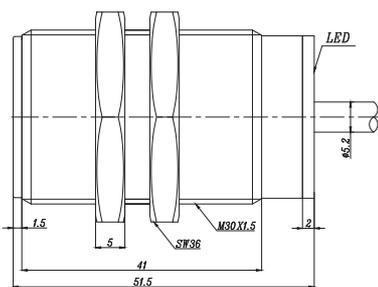


Fig.2

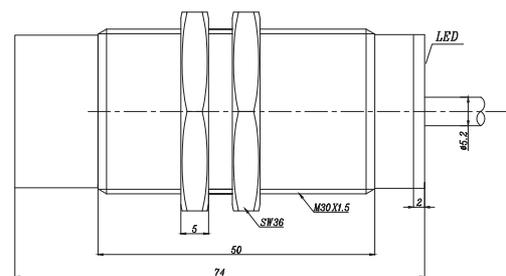


Fig.3

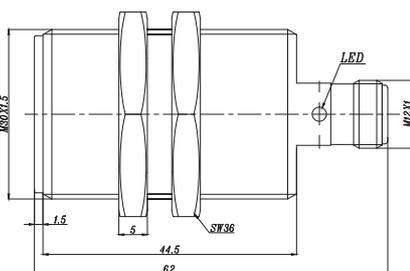
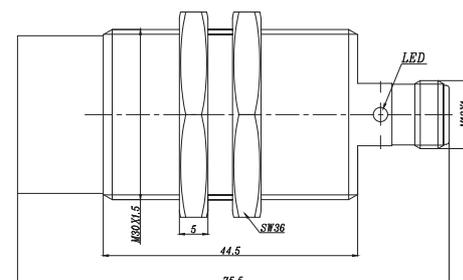


Fig.4



◀◀ Inductive Sensor

Long-Sensing Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 4-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
Fi15-M30-BP6L	15mm	Flush	NO+NC PNP	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-BN6L	15mm	Flush	NO+NC NPN	10...30VDC	≤200mA	350Hz	-25...70°C	2m cable	Fig.1
Ni22-M30-BP6L	22mm	Non-flush	NO+NC PNP	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-BN6L	22mm	Non-flush	NO+NC NPN	10...30VDC	≤200mA	200Hz	-25...70°C	2m cable	Fig.2
Fi15-M30-BP6L-Q12	15mm	Flush	NO+NC PNP	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-BN6L-Q12	15mm	Flush	NO+NC NPN	10...30VDC	≤200mA	350Hz	-25...70°C	M12 Connector	Fig.3
Ni22-M30-BP6L-Q12	22mm	Non-flush	NO+NC PNP	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-BN6L-Q12	22mm	Non-flush	NO+NC NPN	10...30VDC	≤200mA	200Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

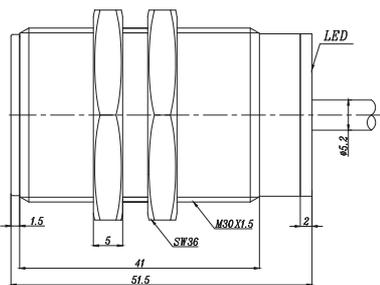


Fig.2

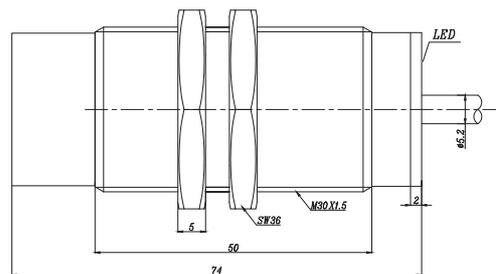


Fig.3

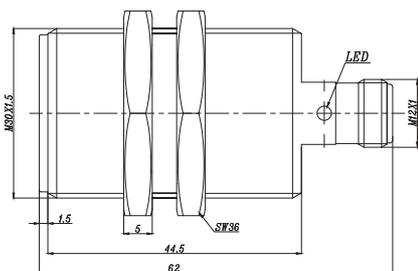
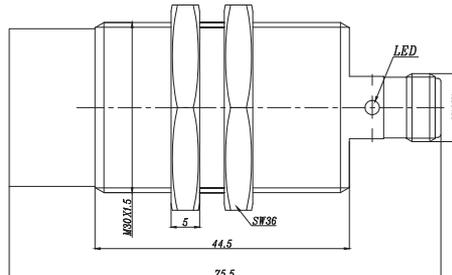


Fig.4



Long-Sensing Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, extended operating distance, AC 2-wire output, IP67 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
Fi15-M30-OSA3L	15mm	Flush	NO AC	20...250VAC	≤200mA	40Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-CSA3L	15mm	Flush	NC AC	20...250VAC	≤200mA	40Hz	-25...70°C	2m cable	Fig.1
Ni22-M30-OSA3L	22mm	Non-flush	NO AC	20...250VAC	≤200mA	40Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-CSA3L	22mm	Non-flush	NC AC	20...250VAC	≤200mA	40Hz	-25...70°C	2m cable	Fig.2
Fi15-M30-OSA3L-Q12	15mm	Flush	NO AC	20...250VAC	≤200mA	40Hz	-25...70°C	M12 Connector	Fig.3
Fi15-M30-CSA3L-Q12	15mm	Flush	NC AC	20...250VAC	≤200mA	40Hz	-25...70°C	M12 Connector	Fig.3
Ni22-M30-OSA3L-Q12	22mm	Non-flush	NO AC	20...250VAC	≤200mA	40Hz	-25...70°C	M12 Connector	Fig.4
Ni22-M30-CSA3L-Q12	22mm	Non-flush	NC AC	20...250VAC	≤200mA	40Hz	-25...70°C	M12 Connector	Fig.4

Dimensions:

Fig.1

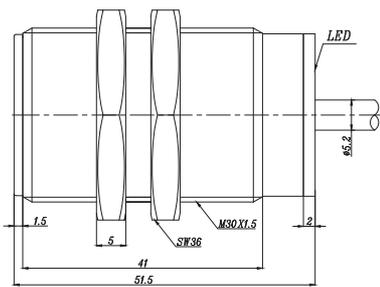


Fig.2

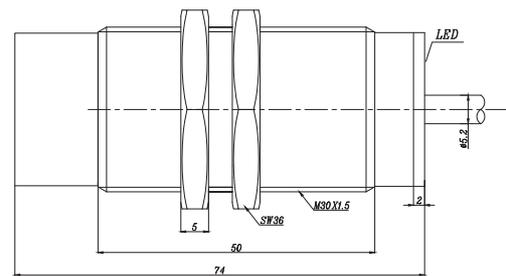


Fig.3

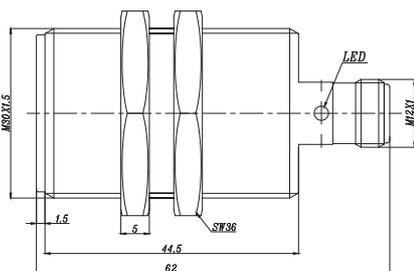
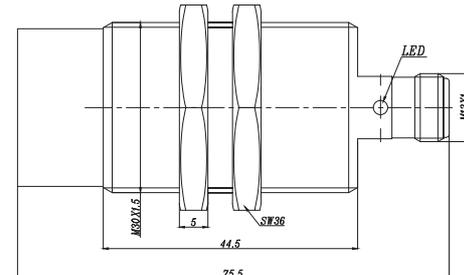


Fig.4



<< Inductive Sensor

Long-Sensing Metal Barrel-M30



Description:

Brass nickel-plated, threaded barrel, extended operating distance, AC/DC 2-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
Fi15-M30-OA41L	15mm	Flush	NO DC/AC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/350Hz	-25...70°C	2m cable	Fig.1
Fi15-M30-CA41L	15mm	Flush	NC DC/AC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/350Hz	-25...70°C	2m cable	Fig.1
Ni22-M30-OA41L	22mm	Non-flush	NO DC/AC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/200Hz	-25...70°C	2m cable	Fig.2
Ni22-M30-CA41L	22mm	Non-flush	NC DC/AC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/200Hz	-25...70°C	2m cable	Fig.2

Dimensions:

Fig.1

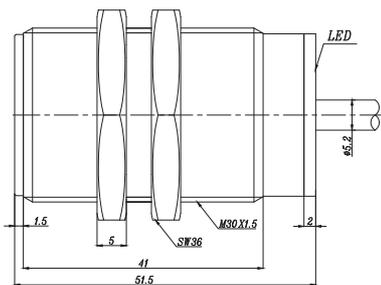


Fig.2

