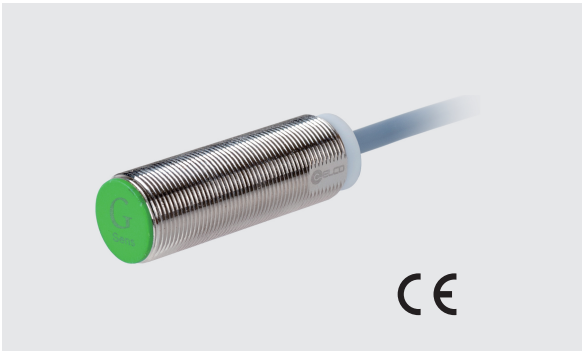


<< Inductive Sensor

Metal Barrel-G-series



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 2-wire output, AC/DC 2-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-OD6L	8mm	Flush	DC NO	10...30VDC	≤100mA	500Hz	-30...85°C	2m cable	Fig.1
Fi8-G18-CD6L	8mm	Flush	DC NC	10...30VDC	≤100mA	500Hz	-30...85°C	2m cable	Fig.1
Fi8-G18-OA41L	8mm	Flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/500Hz	-30...85°C	2m cable	Fig.2
Fi8-G18-CA41L	8mm	Flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/500Hz	-30...85°C	2m cable	Fig.2
Ni12-G18-OD6L	12mm	Non-flush	DC NO	10...30VDC	≤100mA	350Hz	-30...85°C	2m cable	Fig.3
Ni12-G18-CD6L	12mm	Non-flush	DC NC	10...30VDC	≤100mA	350Hz	-30...85°C	2m cable	Fig.3
Ni16-G18-OD6L	16mm	Non-flush	DC NO	10...30VDC	≤100mA	250Hz	-30...85°C	2m cable	Fig.3
Ni16-G18-CD6L	16mm	Non-flush	DC NC	10...30VDC	≤100mA	250Hz	-30...85°C	2m cable	Fig.3
Ni12-G18-OA41L	12mm	Non-flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/350Hz	-30...85°C	2m cable	Fig.4
Ni12-G18-CA41L	12mm	Non-flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/350Hz	-30...85°C	2m cable	Fig.4
Ni16-G18-OA41L	16mm	Non-flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/250Hz	-30...85°C	2m cable	Fig.4
Ni16-G18-CA41L	16mm	Non-flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/250Hz	-30...85°C	2m cable	Fig.4

Dimensions:

Fig.1

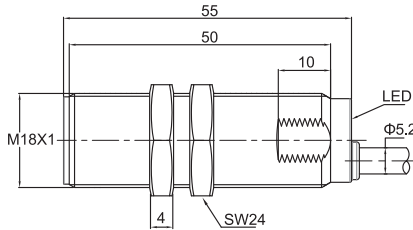


Fig.2

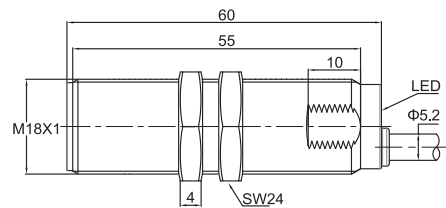


Fig.3

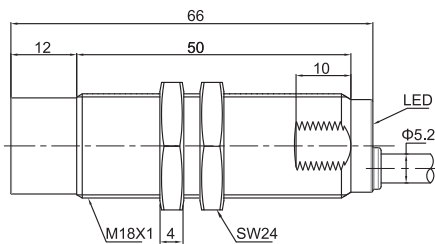
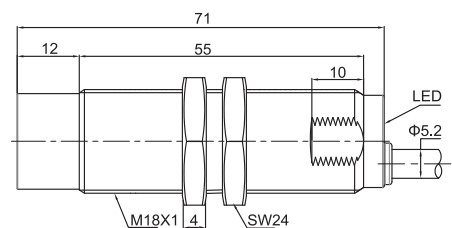


Fig.4



<< Inductive Sensor

Metal Barrel-G series



Description:

Brass nickel-plated, threaded barrel, extended operating distance, DC 2-wire output, AC/DC 2-wire output, IP68 protection class, LED indicator.

Technical Data:

Type	Rated Operating Distance Sn	Mounting	Output	Voltage Range U_R	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
Fi8-G18-OD6L-Q12	8mm	Flush	DC NO	10...30VDC	$\leq 100\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.1
Fi8-G18-CD6L-Q12	8mm	Flush	DC NC	10...30VDC	$\leq 100\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.1
Fi8-G18-OA41L-Q12	8mm	Flush	AC/DC NO	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/500Hz	-30...85°C	M12 Connector	Fig.2
Fi8-G18-CA41L-Q12	8mm	Flush	AC/DC NC	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/500Hz	-30...85°C	M12 Connector	Fig.2
Ni12-G18-OD6L-Q12	12mm	Non-flush	DC NO	10...30VDC	$\leq 100\text{mA}$	350Hz	-30...85°C	M12 Connector	Fig.3
Ni12-G18-CD6L-Q12	12mm	Non-flush	DC NC	10...30VDC	$\leq 100\text{mA}$	350Hz	-30...85°C	M12 Connector	Fig.3
Ni16-G18-OD6L-Q12	16mm	Non-flush	DC NO	10...30VDC	$\leq 100\text{mA}$	250Hz	-30...85°C	M12 Connector	Fig.3
Ni16-G18-CD6L-Q12	16mm	Non-flush	DC NC	10...30VDC	$\leq 100\text{mA}$	250Hz	-30...85°C	M12 Connector	Fig.3
Ni12-G18-OA41L-Q12	12mm	Non-flush	AC/DC NO	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/350Hz	-30...85°C	M12 Connector	Fig.4
Ni12-G18-CA41L-Q12	12mm	Non-flush	AC/DC NC	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/350Hz	-30...85°C	M12 Connector	Fig.4
Ni16-G18-OA41L-Q12	16mm	Non-flush	AC/DC NO	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/250Hz	-30...85°C	M12 Connector	Fig.4
Ni16-G18-CA41L-Q12	16mm	Non-flush	AC/DC NC	20...250VAC/DC	$DC \leq 100\text{mA} / AC \leq 200\text{mA}$	20/250Hz	-30...85°C	M12 Connector	Fig.4

Dimensions:

Fig.1

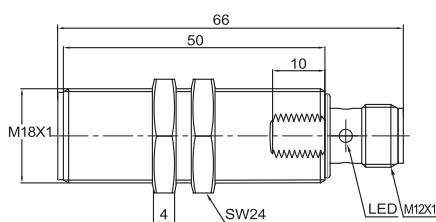


Fig.2

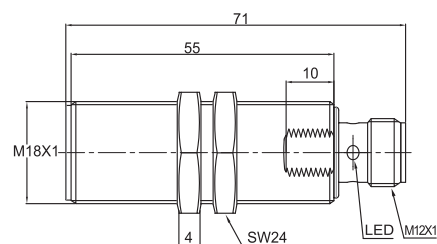


Fig.3

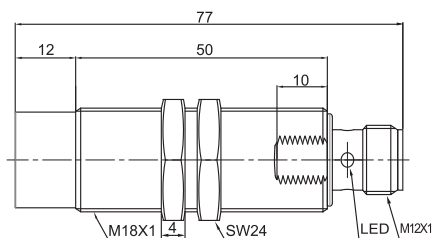
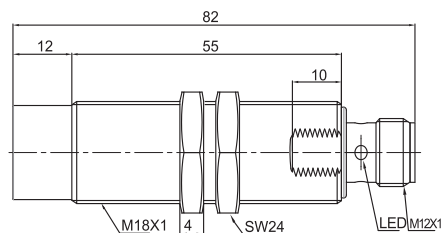
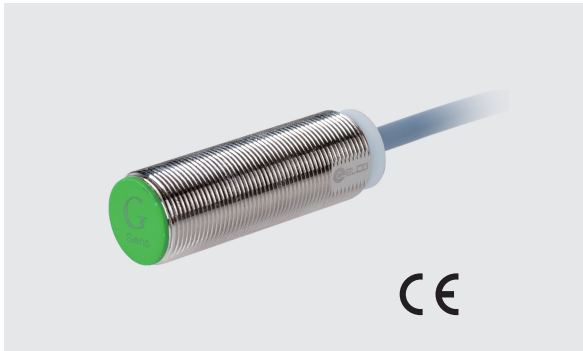


Fig.4



<< Inductive Sensor

Metal Barrel-G series



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
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

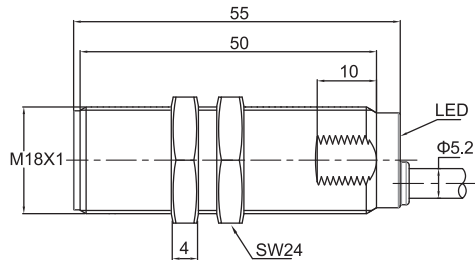
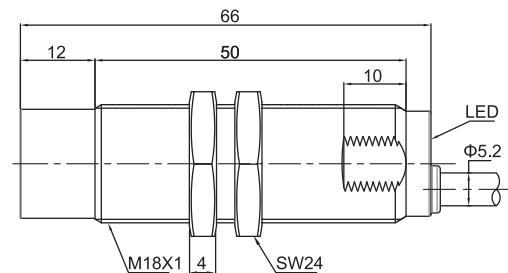


Fig.2



<< Inductive Sensor

Metal Barrel-G series



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

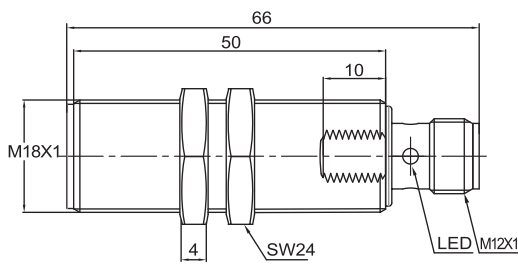


Fig.2

