

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
Fi4-G12-OD6L	4mm	Flush	DC NO	10...30VDC	≤100mA	650Hz	-30...85°C	2m cable	Fig.1
Fi4-G12-CD6L	4mm	Flush	DC NC	10...30VDC	≤100mA	650Hz	-30...85°C	2m cable	Fig.1
Fi4-G12-OA41L	4mm	Flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/650Hz	-30...85°C	2m cable	Fig.2
Fi4-G12-CA41L	4mm	Flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/650Hz	-30...85°C	2m cable	Fig.2
Ni6-G12-OD6L	6mm	Non-flush	DC NO	10...30VDC	≤100mA	600Hz	-30...85°C	2m cable	Fig.3
Ni6-G12-CD6L	6mm	Non-flush	DC NC	10...30VDC	≤100mA	600Hz	-30...85°C	2m cable	Fig.3
Ni8-G12-OD6L	8mm	Non-flush	DC NO	10...30VDC	≤100mA	500Hz	-30...85°C	2m cable	Fig.3
Ni8-G12-CD6L	8mm	Non-flush	DC NC	10...30VDC	≤100mA	500Hz	-30...85°C	2m cable	Fig.3
Ni6-G12-OA41L	6mm	Non-flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/600Hz	-30...85°C	2m cable	Fig.4
Ni6-G12-CA41L	6mm	Non-flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/600Hz	-30...85°C	2m cable	Fig.4
Ni8-G12-OA41L	8mm	Non-flush	AC/DC NO	20...250VAC/DC	DC≤100mA/AC≤200mA	20/500Hz	-30...85°C	2m cable	Fig.4
Ni8-G12-CA41L	8mm	Non-flush	AC/DC NC	20...250VAC/DC	DC≤100mA/AC≤200mA	20/500Hz	-30...85°C	2m cable	Fig.4

Dimensions:

Fig.1

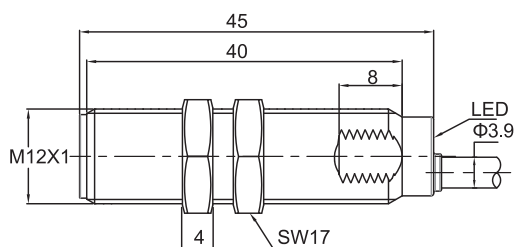


Fig.2

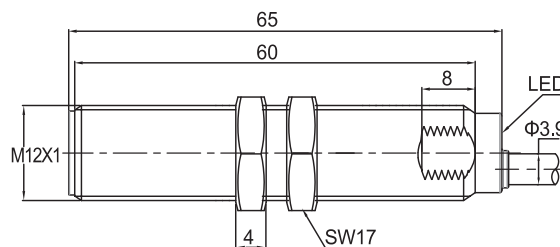


Fig.3

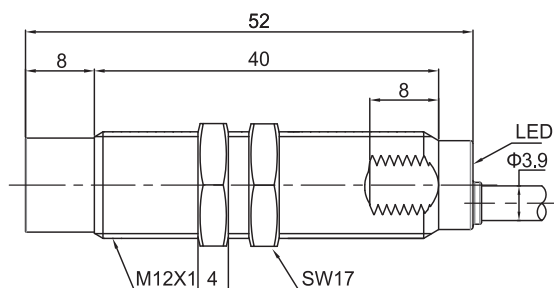
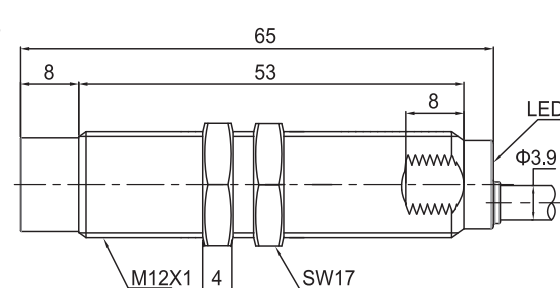


Fig.4



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 S_n	Mounting	Output	Voltage Range U_B	Rated Current	Switching Frequency	Ambient Temperature	Connection	Fig
F4-G12-OD6L-Q12	4mm	Flush	DC NO	10...30VDC	$\leq 100\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
F4-G12-CD6L-Q12	4mm	Flush	DC NC	10...30VDC	$\leq 100\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
F4-G12-OA41L-Q12	4mm	Flush	AC/DC NO	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/650Hz	-30...85°C	M12 Connector	Fig.2
F4-G12-CA41L-Q12	4mm	Flush	AC/DC NC	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/650Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-OD6L-Q12	6mm	Non-flush	DC NO	10...30VDC	$\leq 100\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.3
Ni6-G12-CD6L-Q12	6mm	Non-flush	DC NC	10...30VDC	$\leq 100\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.3
Ni8-G12-OD6L-Q12	8mm	Non-flush	DC NO	10...30VDC	$\leq 100\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.3
Ni8-G12-CD6L-Q12	8mm	Non-flush	DC NC	10...30VDC	$\leq 100\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.3
Ni6-G12-OA41L-Q12	6mm	Non-flush	AC/DC NO	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/600Hz	-30...85°C	M12 Connector	Fig.4
Ni6-G12-CA41L-Q12	6mm	Non-flush	AC/DC NC	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/600Hz	-30...85°C	M12 Connector	Fig.4
Ni8-G12-OA41L-Q12	8mm	Non-flush	AC/DC NO	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/500Hz	-30...85°C	M12 Connector	Fig.4
Ni8-G12-CA41L-Q12	8mm	Non-flush	AC/DC NC	20...250VAC/DC	$\text{DC} \leq 100\text{mA} / \text{AC} \leq 200\text{mA}$	20/500Hz	-30...85°C	M12 Connector	Fig.4

Dimensions:

Fig.1

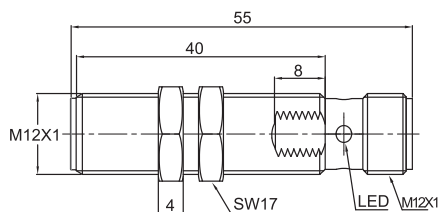


Fig.2

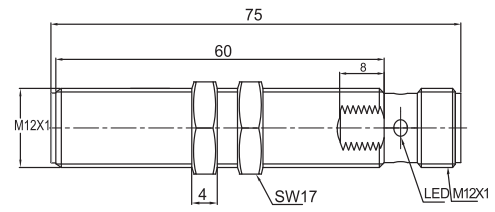


Fig.3

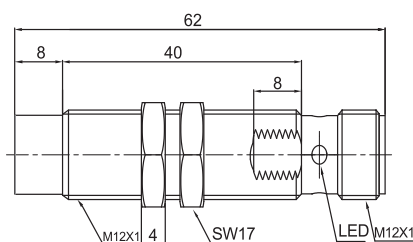
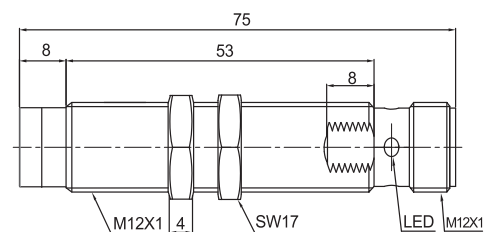
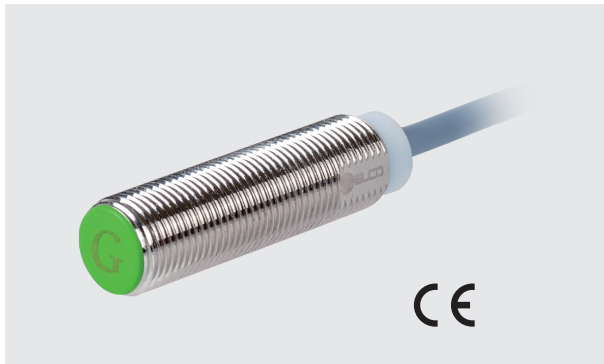


Fig.4



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
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:

Fig.1

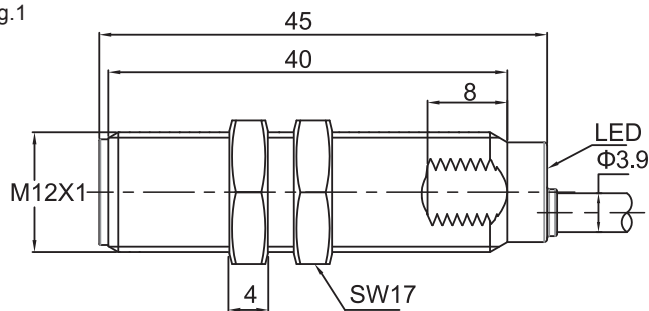
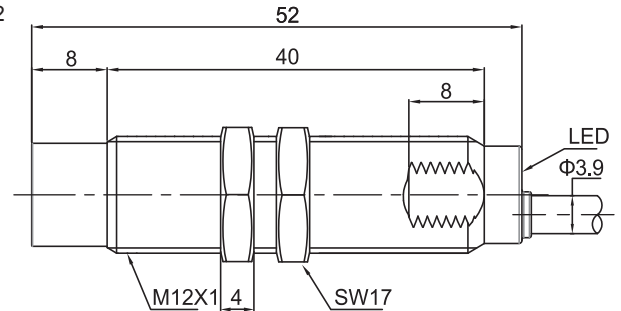


Fig.2



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
Fi4-G12-OP6L-Q12	4mm	Flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-CP6L-Q12	4mm	Flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-ON6L-Q12	4mm	Flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
Fi4-G12-CN6L-Q12	4mm	Flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	650Hz	-30...85°C	M12 Connector	Fig.1
Ni6-G12-OP6L-Q12	6mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-CP6L-Q12	6mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-ON6L-Q12	6mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.2
Ni6-G12-CN6L-Q12	6mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	600Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-OP6L-Q12	8mm	Non-flush	PNP NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-CP6L-Q12	8mm	Non-flush	PNP NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-ON6L-Q12	8mm	Non-flush	NPN NO	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.2
Ni8-G12-CN6L-Q12	8mm	Non-flush	NPN NC	10...30VDC	$\leq 200\text{mA}$	500Hz	-30...85°C	M12 Connector	Fig.2

Dimensions:

Fig.1

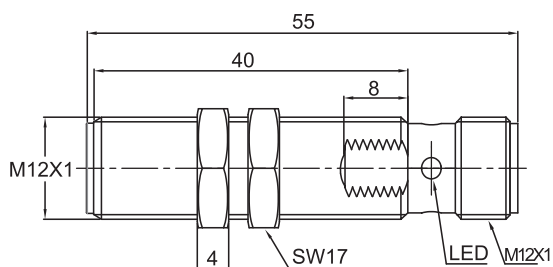


Fig.2

