Inductive Sensors

G3-Sens

New Design

New Experience

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<< Inductive Sensor

Metal Barrel-G3 series

ELCO INDUSTRIAL AUTOMATION

Inductive Sensors

M5x0.5

CE

Description:

Stainless steel housing, 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
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

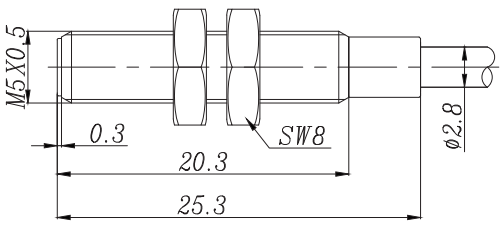
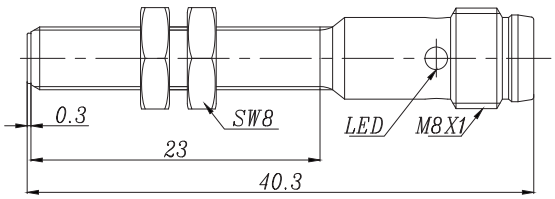


Fig. 2



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Änderungen vorbehalten

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Metal Barrel-G3 series

ELCO INDUSTRIAL AUTOMATION

Inductive Sensors

M8x1

CE

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
Fi3-G08-OP6L	3mm	Flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.1
Fi3-G08-CP6L	3mm	Flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.1
Fi3-G08-ON6L	3mm	Flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.1
Fi3-G08-CN6L	3mm	Flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.1
Ni6-G08-OP6L	6mm	Non-flush	PNP NO	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.2
Ni6-G08-CP6L	6mm	Non-flush	PNP NC	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.2
Ni6-G08-ON6L	6mm	Non-flush	NPN NO	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.2
Ni6-G08-CN6L	6mm	Non-flush	NPN NC	10...30VDC	≤200mA	500Hz	-25...70˚C	2m cable	Fig.2

Dimensions:

Fig.1

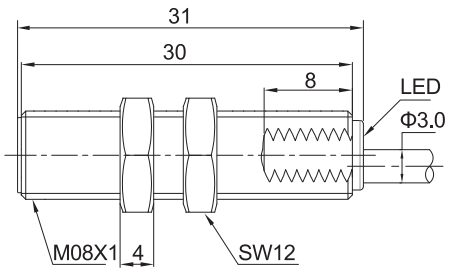
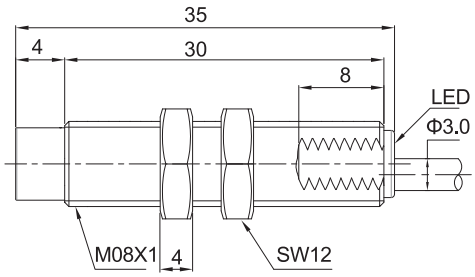


Fig.2



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Metal Barrel-G3 series

ELCO INDUSTRIAL AUTOMATION

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M8x1

CE

Description:

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

Technical Data:

Type	Rated Operating Distance Sn	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

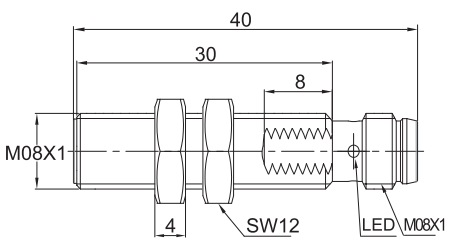
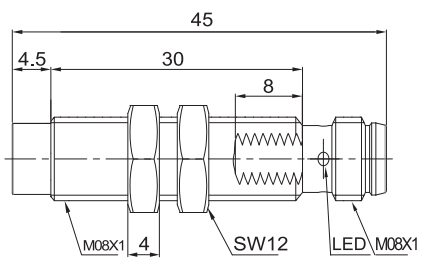


Fig.2



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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 Sn	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

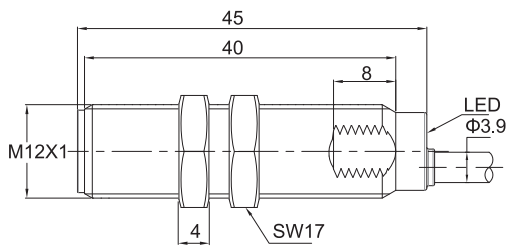
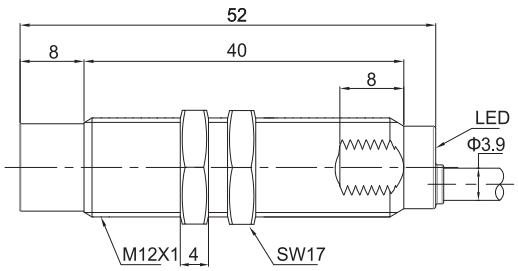


Fig.2



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Metal Barrel-G3 series

M12x1

CE

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

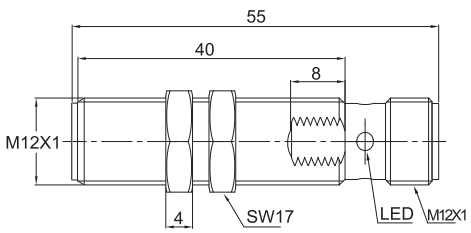
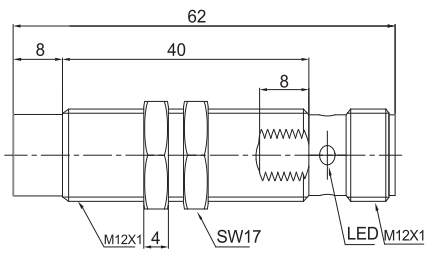


Fig.2



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Änderungen vorbehalten

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
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

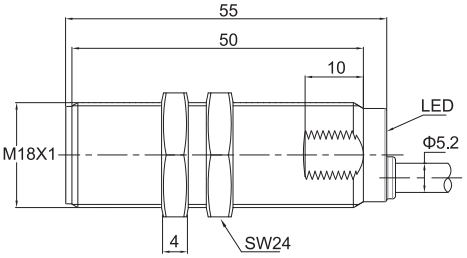
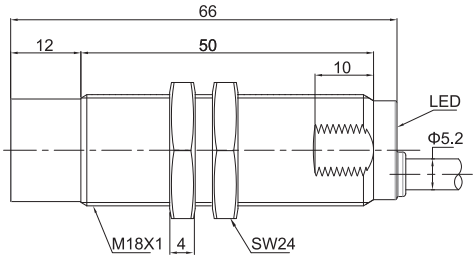


Fig.2



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Änderungen vorbehalten

M18x1

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
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

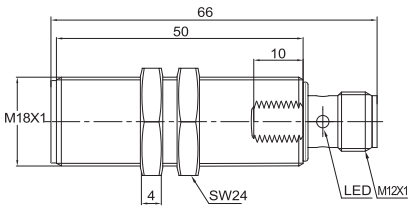
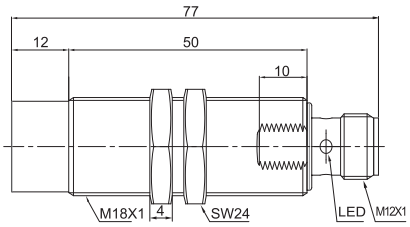


Fig.2



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Änderungen vorbehalten

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
Fi20-G30-OP6L	20mm	Flush	PNP	NO	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.1
Fi20-G30-CP6L	20mm	Flush	PNP	NC	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.1
Fi20-G30-ON6L	20mm	Flush	NPN	NO	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.1
Fi20-G30-CN6L	20mm	Flush	NPN	NC	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.1
Ni38-G30-OP6L	38mm	Non-flush	PNP	NO	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.2
Ni38-G30-CP6L	38mm	Non-flush	PNP	NC	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.2
Ni38-G30-ON6L	38mm	Non-flush	NPN	NO	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.2
Ni38-G30-CN6L	38mm	Non-flush	NPN	NC	10...30VDC	≤200mA	200Hz	-25...70℃	2m cable	Fig.2

Dimensions:

Fig.1

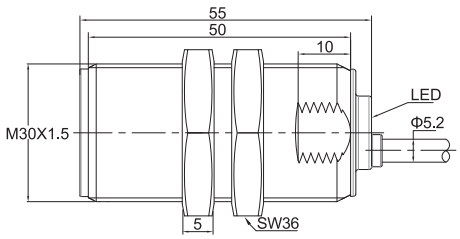
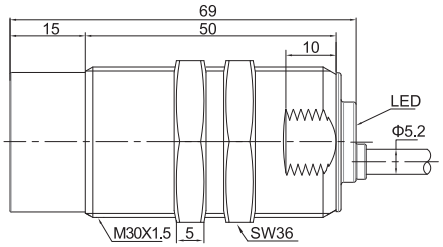


Fig.2



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M30x1.5

CE

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
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

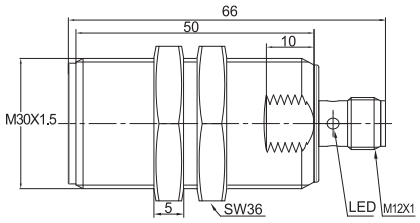
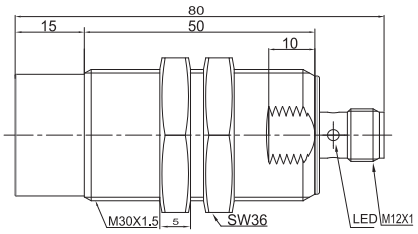


Fig.2



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Änderungen vorbehalten