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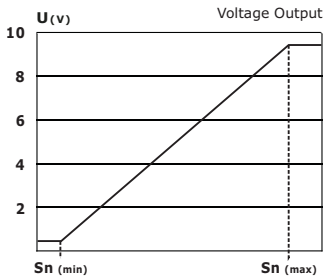
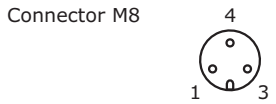
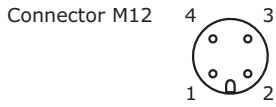
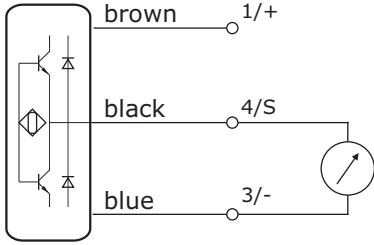
M8

M8

M8

M8

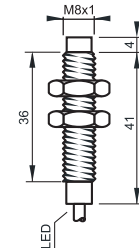
### Output Schematics



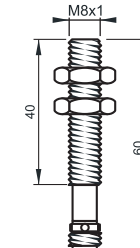
Not to be used for Safety Applications



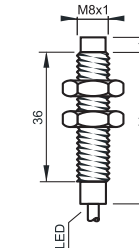
3 mm



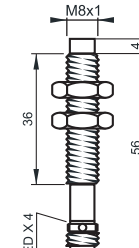
3 mm



6 mm



6 mm



### SPECIFICATIONS

	M8x1 Analog	M8x1 Analog	M8x1 Analog	M8x1 Analog
Measuring Distance	0...3 mm	0...3 mm	0...6 mm	0...6 mm
Mounting	Shielded	Shielded	Unshielded	Unshielded
Operating Voltage	18...30 VDC, 3-wire	18...30 VDC, 3-wire	18...30 VDC, 3-wire	18...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 25 mA	< 25 mA	< 25 mA	< 25 mA
Load Resistor	> 2 kOhm	> 2 kOhm	> 2 kOhm	> 2 kOhm
Linearity	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
Repeatability	0.02 mm	0.02 mm	0.02 mm	0.02 mm
Output Following Frequency	100 Hz	100 Hz	100 Hz	100 Hz
Temperature Drift	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
Operating Temperature	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass
Connection	High-Flex PVC, 2m	Connector M8, 3-pole	High-Flex PVC, 2m	Connector M8, 3-pole
Output Indicator	-	-	-	-

### Article Code

PNP, Analog Voltage (0...10 VDC)	IA8-S3V010/N2P	IA8-S3V010/N8	IA8-N6V010/N2P	IA8-N6V010/N8
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Recommended Connecting Cable

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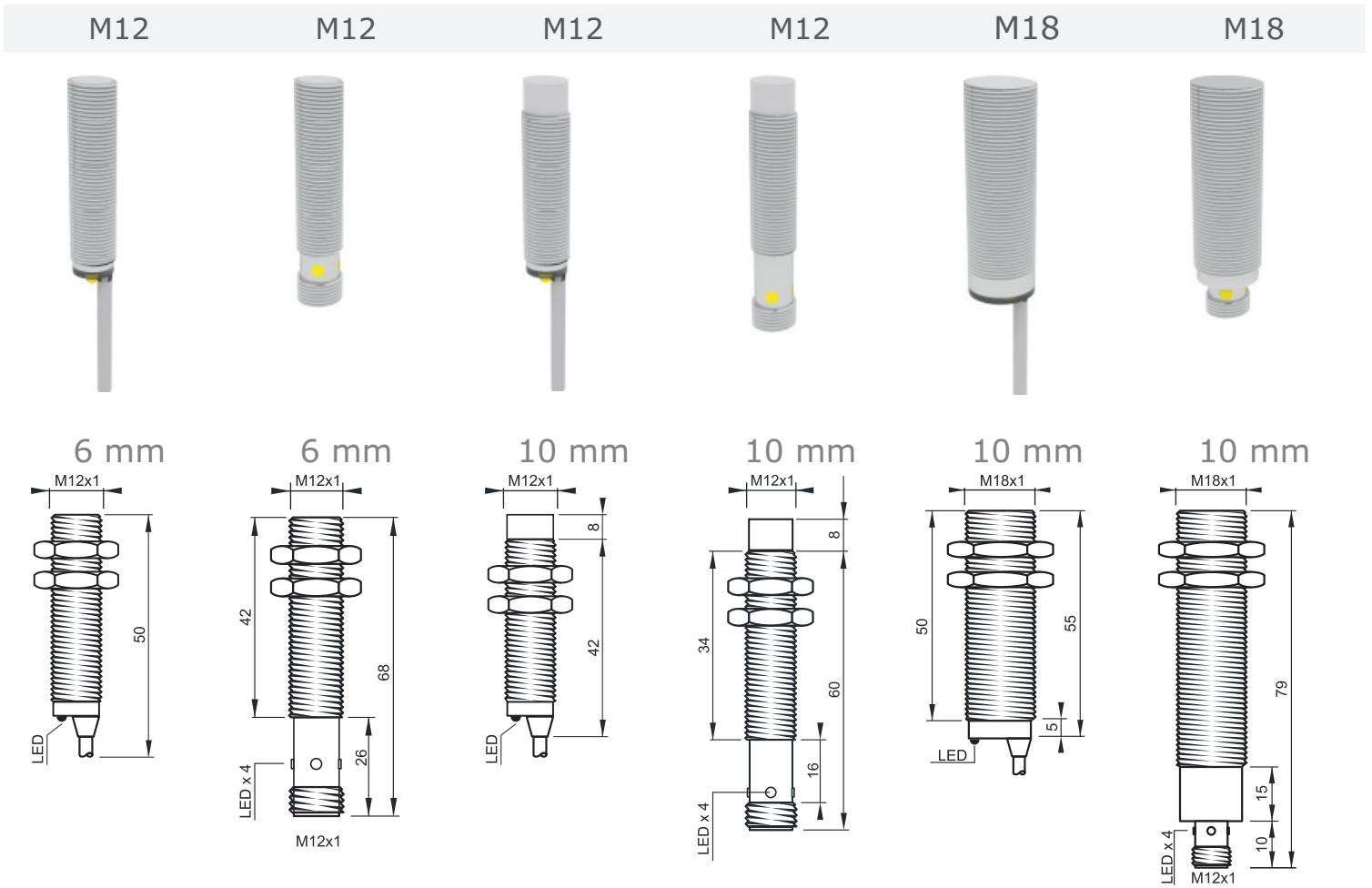
M8/3...

-

M8/3...

# Inductive Proximity Switches Analog Output

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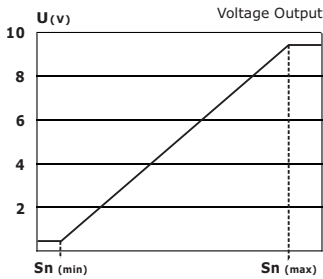
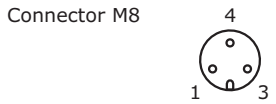
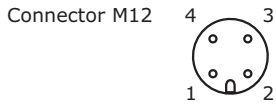
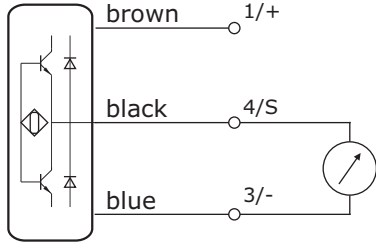
M12x1 Analog	M12x1 Analog	M12x1 Analog	M12x1 Analog	M18x1 Analog	M18x1 Analog
0...6 mm	0...6 mm	0...10 mm	0...10 mm	0...10 mm	0...10 mm
Shielded	Shielded	Unshielded	Unshielded	Shielded	Shielded
18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in
< 25 mA	< 25 mA	< 25 mA	< 25 mA	< 25 mA	< 25 mA
> 2 kOhm	> 2 kOhm	> 2 kOhm	> 2 kOhm	> 2 kOhm	> 2 kOhm
< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm	0.02 mm
100 Hz	100 Hz	100 Hz	100 Hz	100 Hz	100 Hz
< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C
IP67	IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM	POM
Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass
High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
-	-	-	-	-	-

IA12-S6V010/N2P	IA12-S6V010/N12	IA12-N10V010/N2P	IA12-N10V010/N12	IA18-S10V010/N2P	IA18-S10V010/N12
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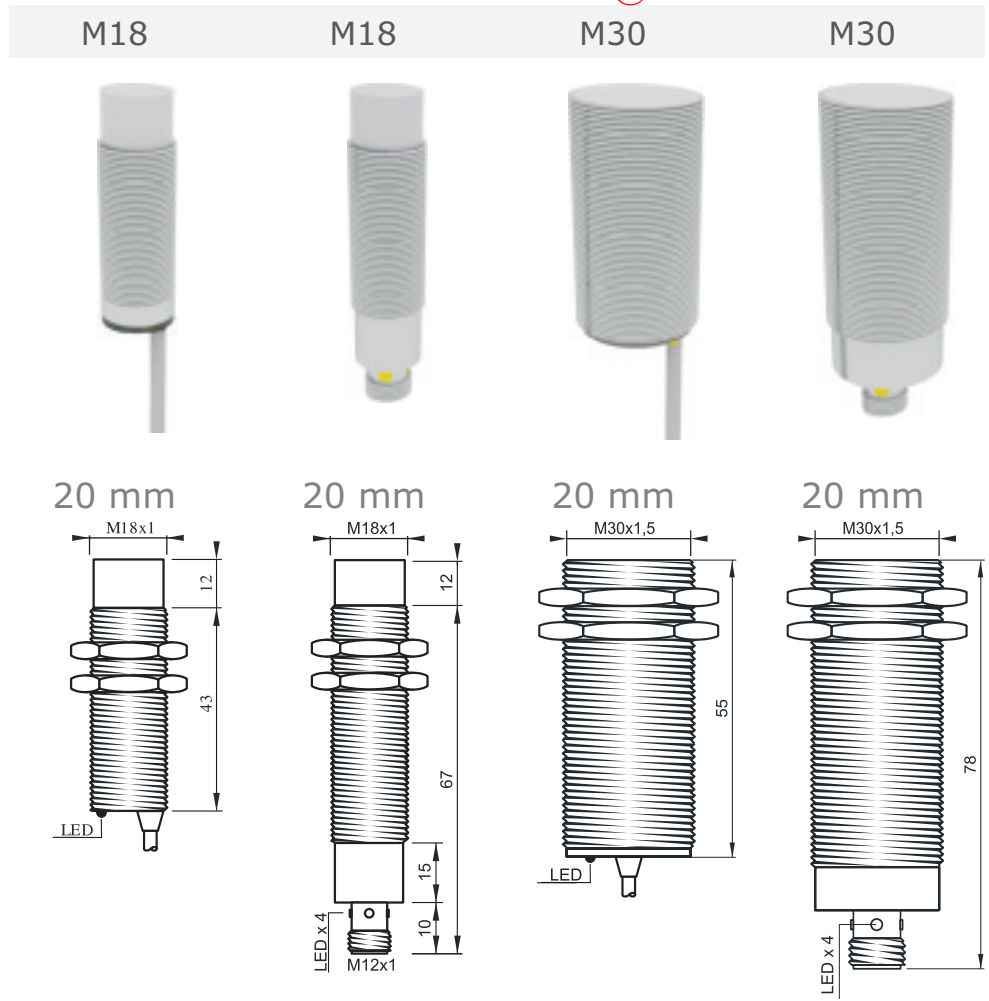
- M12/3... - M12/3... - M12/3...

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### Output Schematics



Not to be used for Safety Applications



### SPECIFICATIONS

	M18x1 Analog	M18x1 Analog	M30x1.5 Analog	M30x1.5 Analog
Measuring Distance	0...20 mm	0...20 mm	0...20 mm	0...20 mm
Mounting	Unshielded	Unshielded	Shielded	Shielded
Operating Voltage	18...30 VDC, 3-wire	18...30 VDC, 3-wire	18...30 VDC, 3-wire	18...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 25 mA	< 25 mA	< 25 mA	< 25 mA
Load Resistor	> 2 kOhm	> 2 kOhm	> 2 kOhm	> 2 kOhm
Linearity	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
Repeatability	0.02 mm	0.02 mm	0.02 mm	0.02 mm
Output Following Frequency	100 Hz	100 Hz	100 Hz	100 Hz
Temperature Drift	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)	< 5 % (Sn)
Operating Temperature	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass
Connection	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	-	-	-	-

### Article Code

PNP, Analog Voltage (0...10 VDC)	IA18-N20V010/N2P	IA18-N20V010/M12	IA30-S20V010/N2P	IA30-S20V010/M12
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Recommended Connecting Cable

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M12/3...

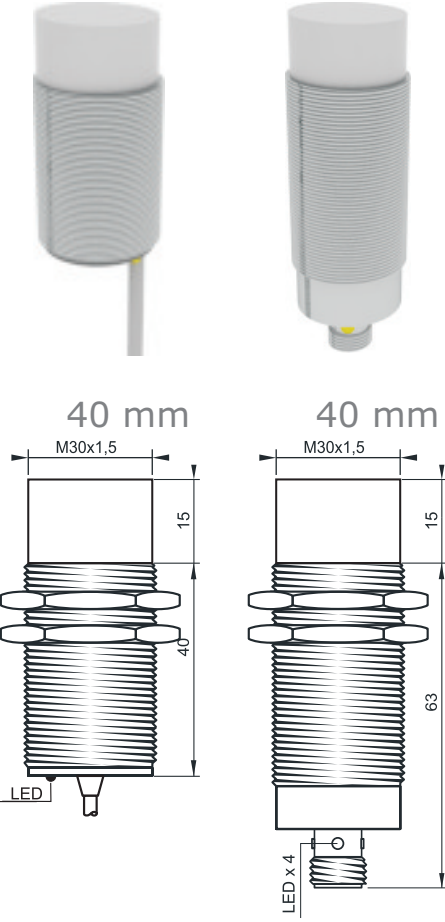
-

M12/3...

# Inductive Proximity Switches Analog Output

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**M30                      M30**



M30x1.5 Analog	M30x1.5 Analog
0...40 mm	0...40 mm
Unshielded	Unshielded
18...30 VDC, 3-wire built-in	18...30 VDC, 3-wire built-in
< 25 mA	< 25 mA
> 2 kOhm	> 2 kOhm
< 5 % (Sn)	< 5 % (Sn)
0.02 mm	0.02 mm
100 Hz	100 Hz
< 5 % (Sn)	< 5 % (Sn)
0...+70 °C	0...+70 °C
IP67	IP67
POM	POM
Chromed Brass	Chromed Brass
High-Flex PVC, 2m	Connector M12, 4-pole
-	-

IA30-N40V010/N2P	IA30-N40V010/M12
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- M12/3...