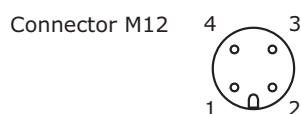
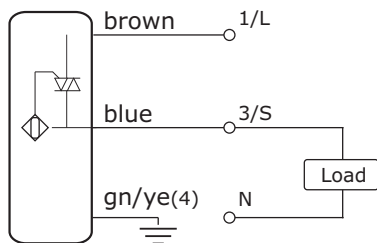


Output Schematics



M12



M12



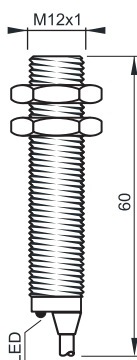
M12



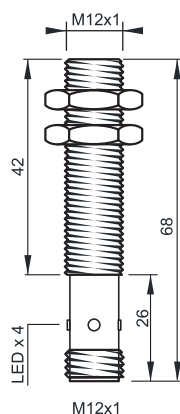
M12



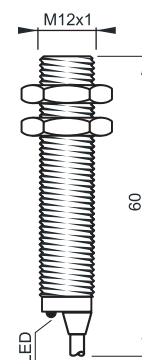
2 mm



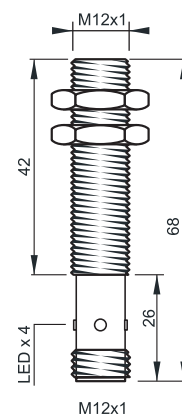
2 mm



4 mm



4 mm



SPECIFICATIONS

	M12x1	M12x1	M12x1	M12x1
Sensing Distance	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	4 mm - Shielded
Operating Voltage	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 3 mA	< 3 mA	< 3 mA	< 3 mA
Current Load Capability	400 mA	400 mA	400 mA	400 mA
Short Circuit Protection	-	-	-	-
Voltage Drop	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
Switching Frequency	25 Hz	25 Hz	25 Hz	25 Hz
Repeatability	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

2-wire NO, 20... 250 VAC	IPS12-S2AO50/A2P	IPS12-S2AO68/M12	IPS12-S4AO50/A2P	IPS12-S4AO68/M12
2-wire NC, 20... 250 VAC	IPS12-S2AC50/A2P	IPS12-S2AC68/M12	IPS12-S4AC50/A2P	IPS12-S4AC68/M12

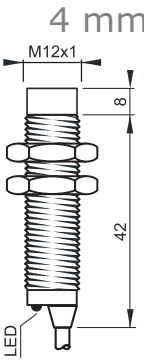
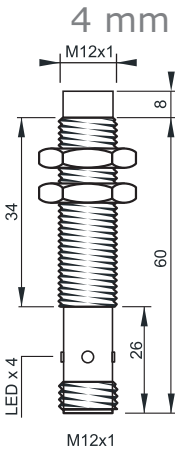
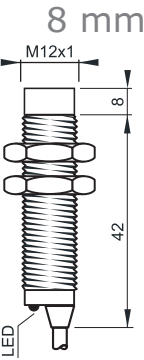
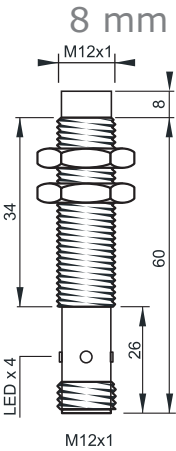
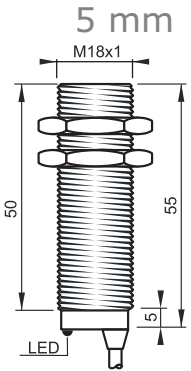
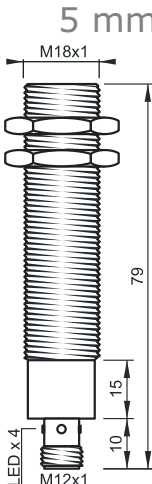
Recommended Connecting Cable

-	M12/3	-	M12/3
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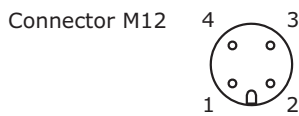
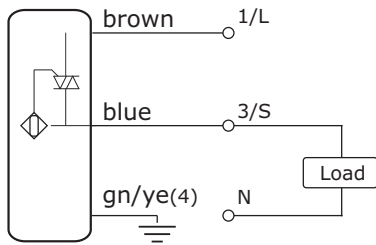
Inductive Proximity Switches

20... 250 VAC

INDUCTIVE

M12	M12	M12	M12	M18	M18
					
 4 mm M12x1 8 42 LED	 4 mm M12x1 8 34 60 26 M12x1 LED x 4	 8 mm M12x1 8 42 LED	 8 mm M12x1 8 34 60 26 M12x1 LED x 4	 5 mm M18x1 50 55 5 LED	 5 mm M18x1 79 15 10 M12x1 LED x 4
M12x1	M12x1	M12x1	M12x1	M18x1	M18x1
4 mm - Unshielded	4 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded	5 mm - Shielded	5 mm - Shielded
20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in
< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA
400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
-	-	-	-	-	-
< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz
< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
3...15 %	3...15 %	3...15 %	3...15 %	3...15 %	3...15 %
-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
IP67	IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM	POM
Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated Brass
High-Flex PVC, 2m Integrated	Connector M12, 4-pole Integrated	High-Flex PVC, 2m Integrated	Connector M12, 4-pole Integrated	High-Flex PVC, 2m Integrated	Connector M12, 4-pole Integrated
IPS12-N4AO50/A2P IPS12-N4AC50/A2P	IPS12-N4AO68/M12 IPS12-N4AC68/M12	IPS12-N8AO50/A2P IPS12-N8AC50/A2P	IPS12-N8AO68/M12 IPS12-N8AC68/M12	IPS18-S5AO55/A2P IPS18-S5AC55/A2P	IPS18-S5AO79/M12 IPS18-S5AC79/M12
-	M12/3	-	M12/3	-	M12/3

Output Schematics



M18



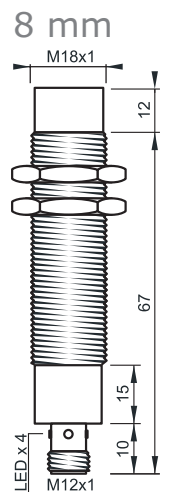
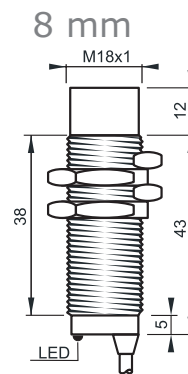
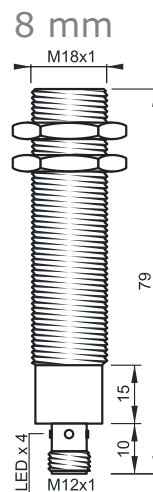
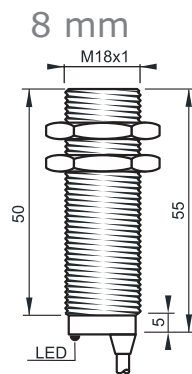
M18



M18



M18



SPECIFICATIONS

	M18x1	M18x1	M18x1	M18x1
Sensing Distance	8 mm - Shielded	8 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded
Operating Voltage	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire	20... 250 VAC, 2-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 3 mA	< 3 mA	< 3 mA	< 3 mA
Current Load Capability	400 mA	400 mA	400 mA	400 mA
Short Circuit Protection	-	-	-	-
Voltage Drop	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
Switching Frequency	25 Hz	25 Hz	25 Hz	25 Hz
Repeatability	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

2-wire NO, 20... 250 VAC	IPS18-S8AO55/A2P	IPS18-S8AO79/M12	IPS18-N8AO55/A2P	IPS18-N8AO79/M12
2-wire NC, 20... 250 VAC	IPS18-S8AC55/A2P	IPS18-S8AC79/M12	IPS18-N8AC55/A2P	IPS18-N8AC79/M12

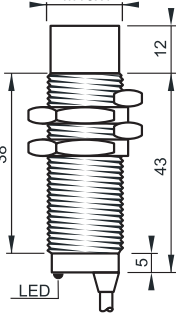
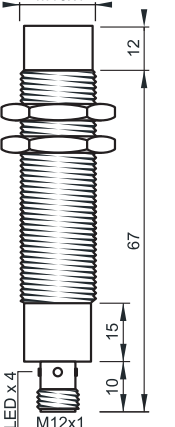
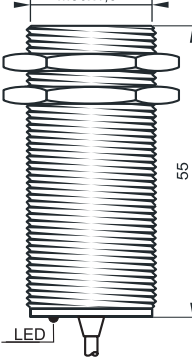
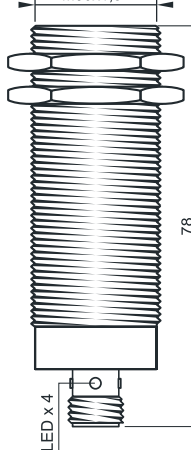
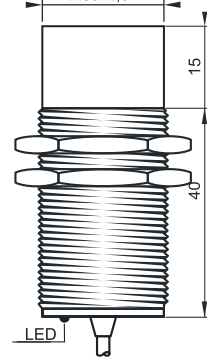
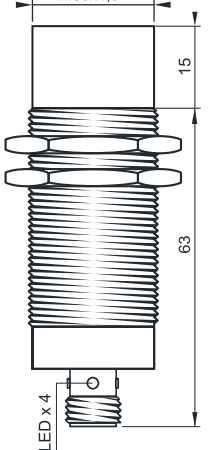
Recommended Connecting Cable

-	M12/3	-	M12/3
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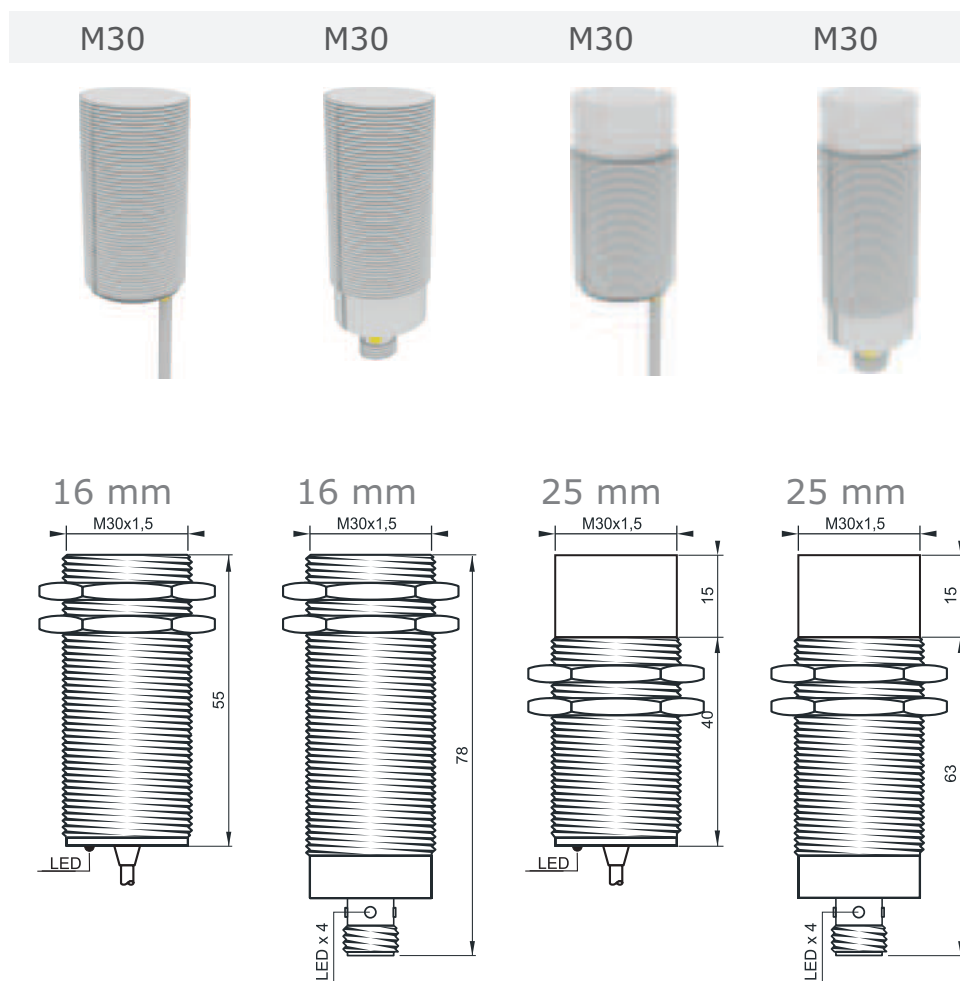
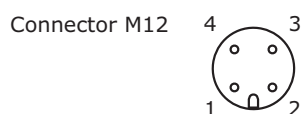
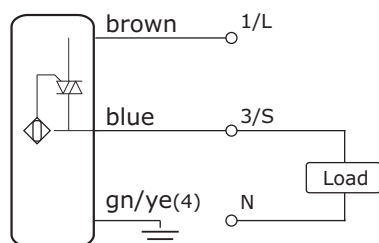
Inductive Proximity Switches

20... 250 VAC

INDUCTIVE

M18	M18	M30	M30	M30	M30
					
16 mm	16 mm	10 mm	10 mm	15 mm	15 mm
					
M18x1	M18x1	M30x1	M30x1	M30x1	M30x1
16 mm - Unshielded	16 mm - Unshielded	10 mm - Shielded	10 mm - Unshielded	15 mm - Unshielded	15 mm - Unshielded
20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in	20... 250 VAC, 2-wire built-in
< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA	< 3 mA
400 mA	400 mA	400 mA	400 mA	400 mA	400 mA
-	-	-	-	-	-
< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
25 Hz	25 Hz	25 Hz	25 Hz	25 Hz	25 Hz
< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
3...15 %	3...15 %	3...15 %	3...15 %	3...15 %	3...15 %
-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
IP67	IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM	POM
Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated Brass	Plated 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
Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
IPS18-N8AO55/A2P	IPS18-N16AO79/M12	IPS30-S10AO55/A2P	IPS30-S10AO79/M12	IPS30-N15AO55/A2P	IPS30-N15AO79/M12
IPS18-N8AC55/A2P	IPS18-N16AC79/M12	IPS30-S10AC55/A2P	IPS30-S10AC79/M12	IPS30-N15AC55/A2P	IPS30-N15AC79/M12
-	M12/3	-	M12/3	-	M12/3

Output Schematics



SPECIFICATIONS

	M30x1	M30x1	M30x1	M30x1
Sensing Distance	16 mm - Shielded	16 mm - Shielded	25 mm - Unshielded	25 mm - Unshielded
Operating Voltage	20... 250 VAC	20... 250 VAC	20... 250 VAC	20... 250 VAC
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 3 mA	< 3 mA	< 3 mA	< 3 mA
Current Load Capability	400 mA	400 mA	400 mA	400 mA
Short Circuit Protection	by amplifier			
Voltage Drop	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA	< 8 V @ 400 mA
Switching Frequency	25 Hz	25 Hz	25 Hz	25 Hz
Repeatability	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)	< 1 % (Sn)
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP67	IP67	IP67	IP67
Sensing Face Material	POM	POM	POM	POM
Housing Material	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

2-wire NO, 20... 250 VAC	IPS30-S16AO55/A2P	IPS30-S16AO79/M12	IPS30-N25AO55/A2P	IPS30-N25AO79/M12
2-wire NC, 20... 250 VAC	IPS30-S16AC55/A2P	IPS30-S16AC79/M12	IPS30-N25AC55/A2P	IPS30-N25AC79/M12

Recommended Connecting Cable

-	M12/3	-	M12/3
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