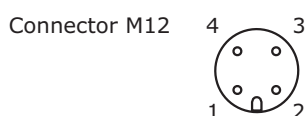
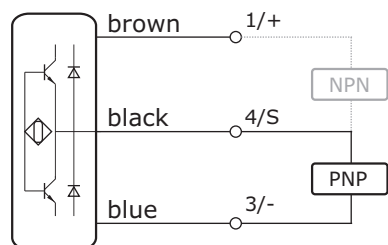


Inductive Proximity Switches

Output Schematics

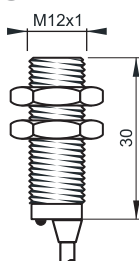


Not to be
used for
Safety
Applications

M12



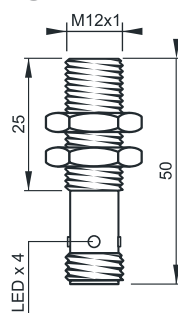
8 mm



M12



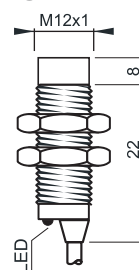
8 mm



M12



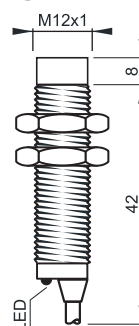
10 mm



M12



10 mm



SPECIFICATIONS

	M12x1	M12x1	M12x1	M12x1
Sensing Distance	8 mm - Shielded	8 mm - Shielded	10 mm - Unshielded	10 mm - Unshielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 8 mA	< 8 mA	< 8 mA	< 8 mA
Current Load Capability	200 mA	200 mA	200 mA	200 mA
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA
Switching Frequency	500 Hz	500 Hz	400 Hz	400 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	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS12-S8PO30/A2P	IPS12-S8PO50/M12	IPS12-N10PO30/A2P	IPS12-N10PO50/A2P
PNP - NC, 3-wire	IPS12-S8PC30/A2P	IPS12-S8PC50/M12	IPS12-N10PC30/A2P	IPS12-N10PC50/A2P
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS12-S8NO30/A2P	IPS12-S8NO50/M12	IPS12-N10NO30/A2P	IPS12-N10NO50/A2P
NPN - NC, 3-wire	IPS12-S8NC30/A2P	IPS12-S8NC50/M12	IPS12-N10NC30/A2P	IPS12-N10NC50/A2P
NPN - NO+NC, 4-wire				
10...55 VDC - NO, 2-wire				
10...55 VDC - NC, 2-wire				

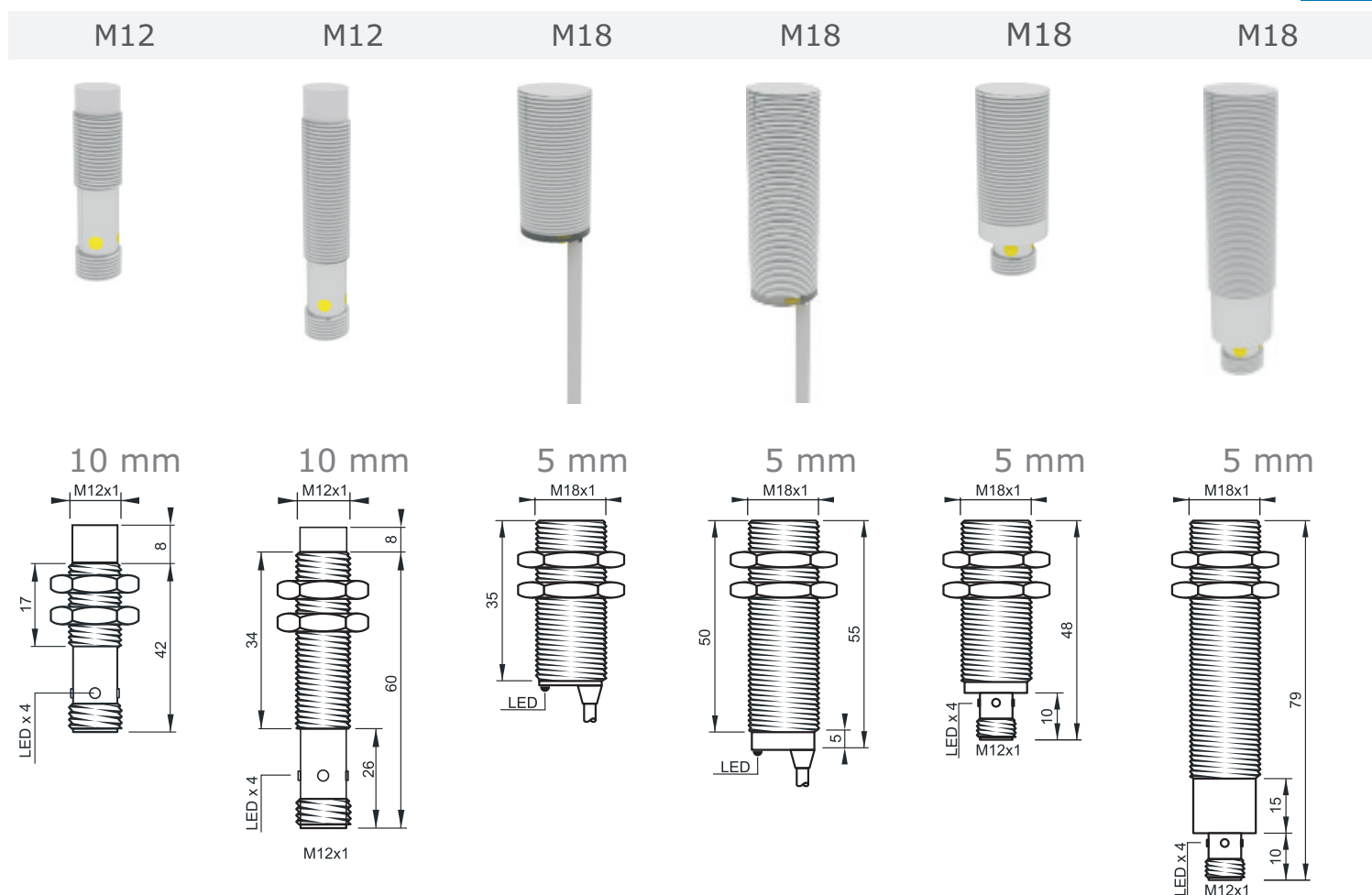
Subject to reasonable modifications due to technical advances.

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SENSOTRONIK

Inductive Proximity Switches



M12x1	M12x1	M18x1	M18x1	M18x1	M18x1
10 mm - Unshielded	10 mm - Unshielded	5 mm - Shielded	5 mm - Shielded	5 mm - Shielded	5 mm - Shielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 400 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 400 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass High-Flex PVC, 2m Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass High-Flex PVC, 2m Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated
IPS12-N10PO50/M12 IPS12-N10PC50/M12	IPS12-N10PO68/M12 IPS12-N10PC68/M12	IPS18-S5PO35/A2P IPS18-S5PC35/A2P	IPS18-S5PO55/A2P IPS18-S5PC55/A2P	IPS179S5PO4-/M12 IPS179S5PC4-/M12	IPS18-S5PO48/M12 IPS18-S5PC48/M12
IPS12-N10NO50/M12 IPS12-N10NC50/M12	IPS12-N10NO68/M12 IPS12-N10NC68/M12	IPS18-S5NO35/A2P IPS18-S5NC35/A2P	IPS18-S5NO55/A2P IPS18-S5NC55/A2P	IPS179S5NO4-/M12 IPS18-S5NC79/M12	IPS18-S5NO48/M12 IPS18-S5NC48/M12
			IPS18-S5DO55/A2P IPS18-S5DC55/A2P	IPS18-S5DO79/M12 IPS18-S5DC79/M12	