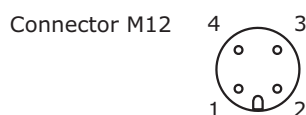
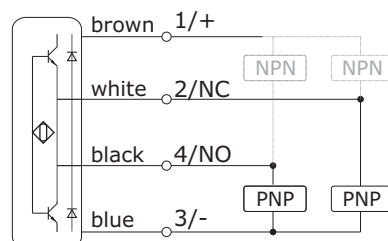
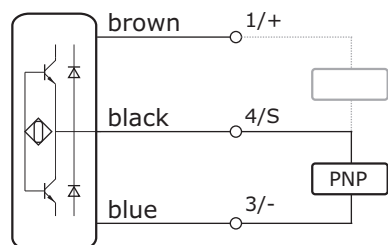
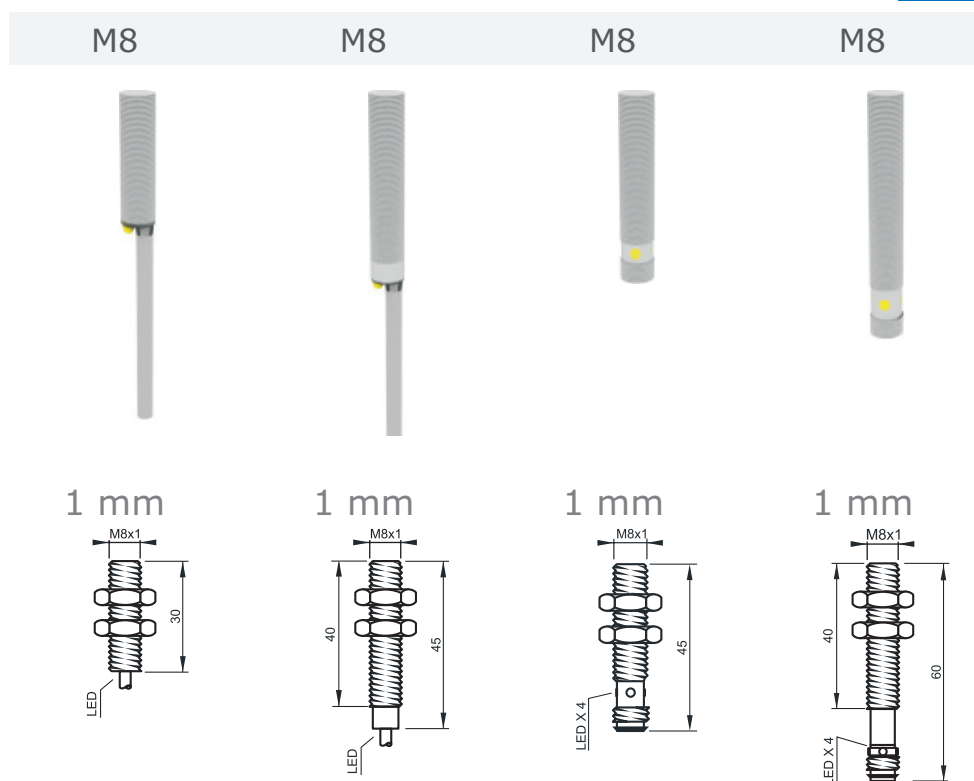


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications



SPECIFICATIONS

	M8x1	M8x1	M8x1	M8x1
Sensing Distance	1 mm - Shielded	1 mm - Shielded	1 mm - Shielded	1 mm - Shielded
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	2000 Hz	2000 Hz	2000 Hz	2000 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	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	High-Flex PVC, 2m	High-Flex PVC, 2m	Connector M8, 3-pole	Connector M8, 3-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS8-S1PO30/A2P	IPS8-S1PO45/A2P	IPS8-S1PO45/M8	IPS8-S1PO60/M8
PNP - NC, 3-wire	IPS8-S1PC30/A2P	IPS8-S1PC45/A2P	IPS8-S1PC45/M8	IPS8-S1PC60/M8
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS8-S1NO30/A2P	IPS8-S1NO45/A2P	IPS8-S1NO45/M8	IPS8-S1NO60/M8
NPN - NC, 3-wire	IPS8-S1NC30/A2P	IPS8-S1NC45/A2P	IPS8-S1NC45/M8	IPS8-S1NC60/M8
NPN - NO+NC, 4-wire				
10...55 VDC - NO, 2-wire		IPS8-S1DO45/A2P		IPS8-S1DO60/M8
10...55 VDC - NC, 2-wire		IPS8-S1DC45/A2P		IPS8-S1DC60/M8

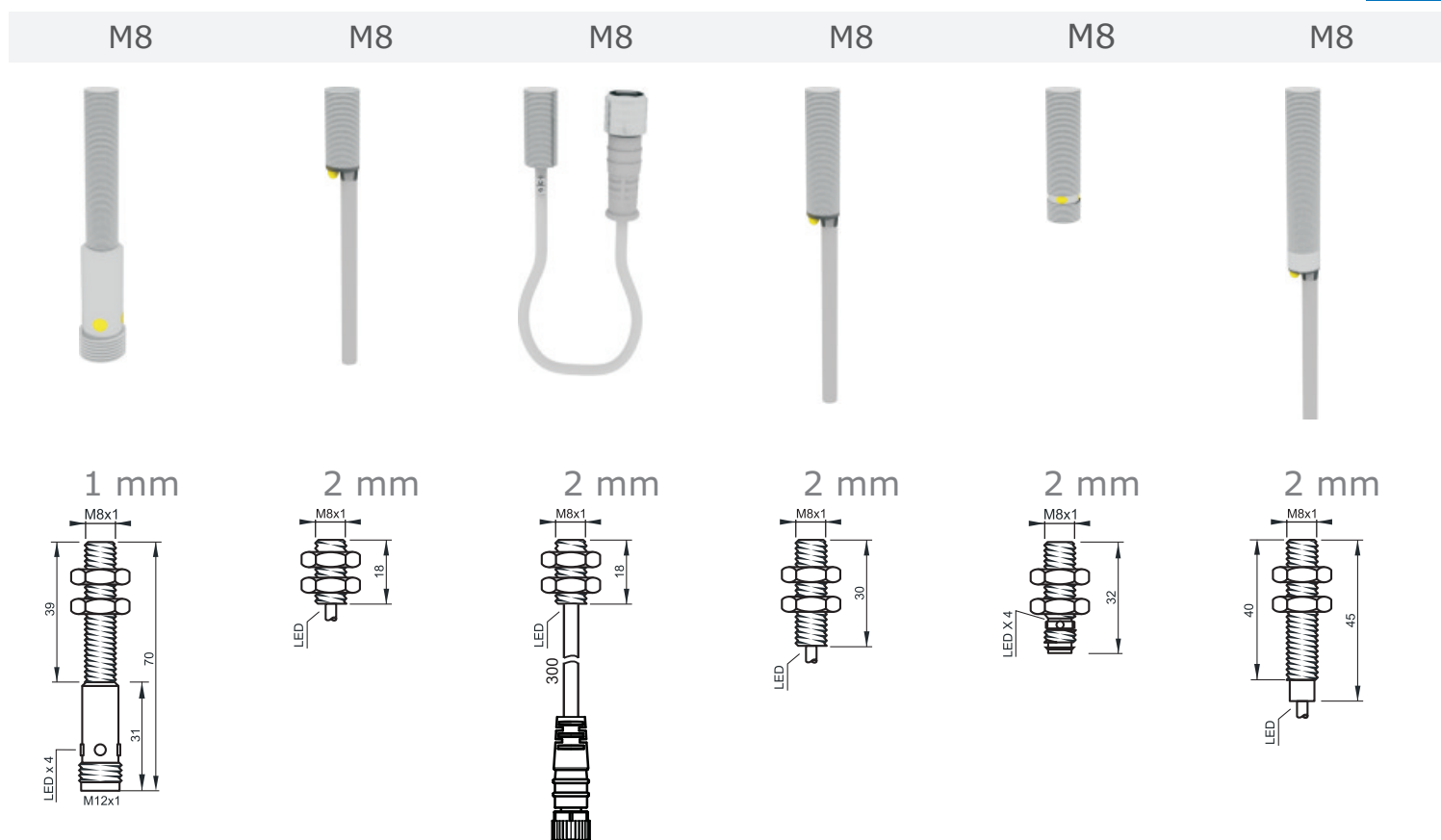
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SENSOTRONIK

Inductive Proximity Switches



M8x1	M8x1	M8x1	M8x1	M8x1	M8x1
1 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 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 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 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 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Conn. M8, 3-pole, 30cm Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 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 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M8, 3-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 High-Flex PVC, 2m Integrated
IPS8-S1PO70/M12 IPS8-S1PC70/M12	IPS8-S2PO18/A2P IPS8-S2PC18/A2P	IPS8-S2PO18/3P8 IPS8-S2PC18/3P8	IPS8-S2PO30/A2P IPS8-S2PC30/A2P IPS8-S2PCO30/A2P	IPS8-S2PO32/M8 IPS8-S2PC32/M8	IPS8-S2PO45/A2P IPS8-S2PC45/A2P IPS8-S2PCO45/A2P
IPS8-S1NO70/M12 IPS8-S1NC70/M12	IPS8-S2NO18/A2P IPS8-S2NC18/A2P	IPS8-S2NO18/3P8 IPS8-S2NC18/3P8	IPS8-S2NO30/A2P IPS8-S2NC30/A2P IPS8-S2NCO30/A2P	IPS8-S2NO32/M8 IPS8-S2NC32/M8	IPS8-S2NO45/A2P IPS8-S2NC45/A2P IPS8-S2NCO45/A2P
IPS8-S1DO70/M12 IPS8-S1DC70/M12					

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