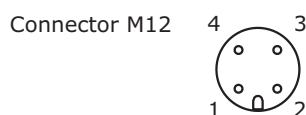
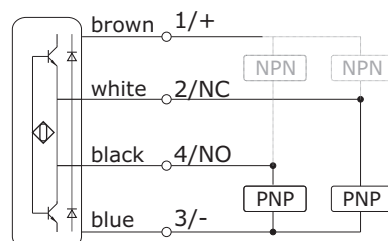
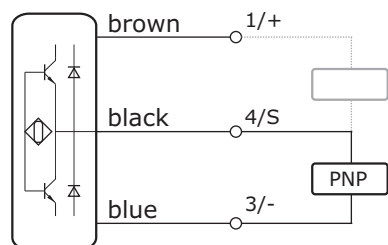
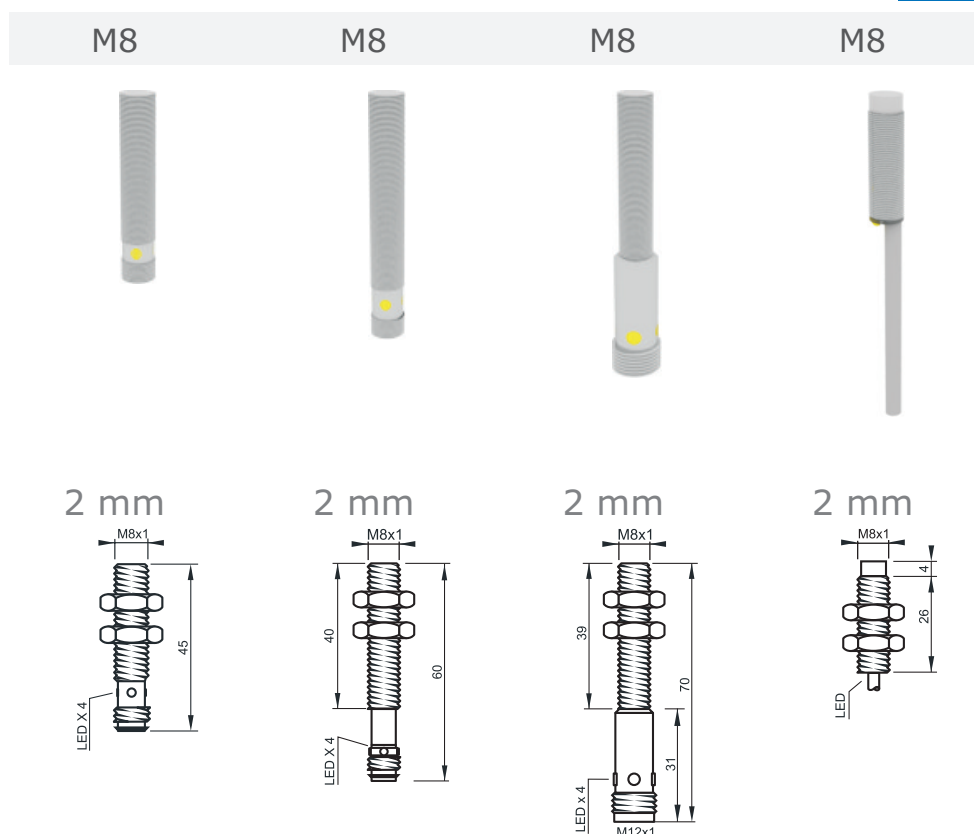


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications



SPECIFICATIONS

	M8x1	M8x1	M8x1	M8x1
Sensing Distance	2 mm - Shielded	2 mm - Shielded	2 mm - Shielded	2 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	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	Connector M8, 3-pole	Connector M8, 3-pole	Connector M12, 4-pole	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS8-S2PO45/M8	IPS8-S2PO60/M8	IPS8-S2PO70/M12	IPS8-N2PO30/A2P
PNP - NC, 3-wire	IPS8-S2PC45/M8	IPS8-S2PC60/M8	IPS8-S2PC70/M12	IPS8-N2PC30/A2P
PNP - NO+NC, 4-wire	IPS8-S2PCO45/M8	IPS8-S2PCO60/M8	IPS8-S2PCO70/M12	
NPN - NO, 3-wire	IPS8-S2NO45/M8	IPS8-S2NO60/M8	IPS8-S2NO70/M12	IPS8-N2NO30/A2P
NPN - NC, 3-wire	IPS8-S2NC45/M8	IPS8-S2NC60/M8	IPS8-S2NC70/M12	IPS8-N2NC30/A2P
NPN - NO+NC, 4-wire	IPS8-S2NCO45/M8	IPS8-S2NCO60/M8	IPS8-S2NCO70/M12	
10...55 VDC - NO, 2-wire				
10...55 VDC - NC, 2-wire				

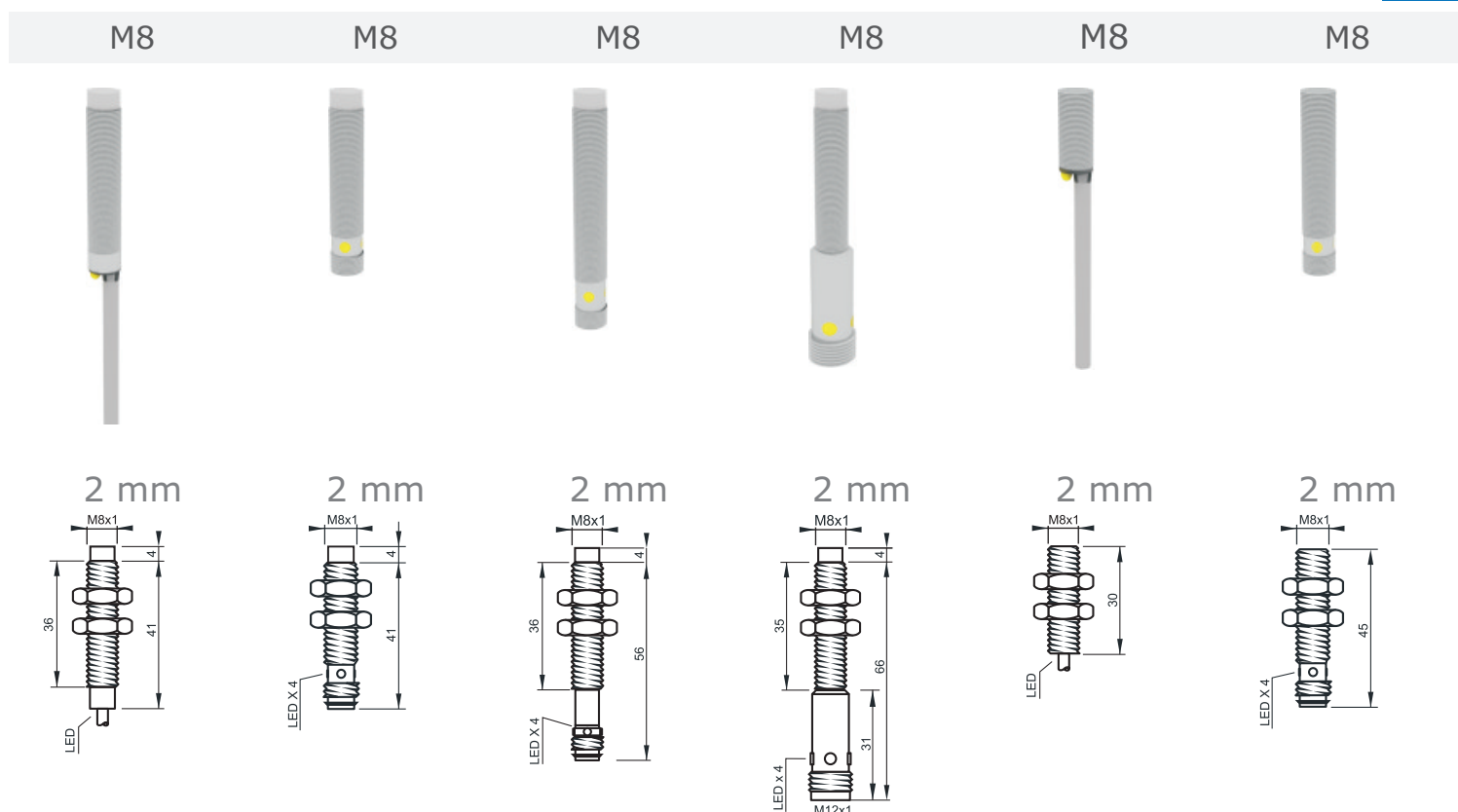
Subject to reasonable modifications due to technical advances.

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SENSOTRONIK

Inductive Proximity Switches



M8x1	M8x1	M8x1	M8x1	M8 Metal Face	M8 Metal Face
2 mm - Unshielded	2 mm - Unshielded	2 mm - Unshielded	2 mm - Unshielded	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 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 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 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 IP69k, Conn. IP67 1.4305 / SS303 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP69k, Conn. IP67 1.4305 / SS303 1.4305 / SS303 Connector M8, 3-pole Integrated
IPS8-N2PO45/A2P IPS8-N2PC45/A2P	IPS8-N2PO45/M8 IPS8-N2PC45/M8	IPS8-N2PO60/M8 IPS8-N2PC60/M8	IPS8-N2PO70/M12 IPS8-N2PC70/M12	IMF8-S2PO30/A2P IMF8-S2PC30/A2P	IMF8-S2PO45/M8 IMF8-S2PC45/M8
IPS8-N2NO45/A2P IPS8-N2NC45/A2P	IPS8-N2NO45/M8 IPS8-N2NC45/M8	IPS8-N2NO60/M8 IPS8-N2NC60/M8	IPS8-N2NO70/M12 IPS8-N2NC70/M12	IMF8-S2NO30/A2P IMF8-S2NC30/A2P	IMF8-S2NO45/M8 IMF8-S2NC45/M8
IPS8-N2DO45/A2P IPS8-N2DC45/A2P		IPS8-N2DO60/M8 IPS8-N2DC60/M8	IPS8-N2DO70/M12 IPS8-N2DC70/M12		