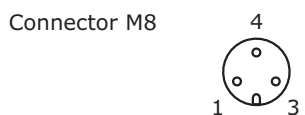
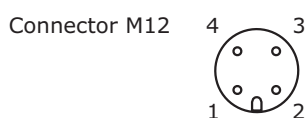
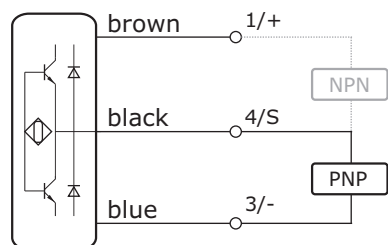
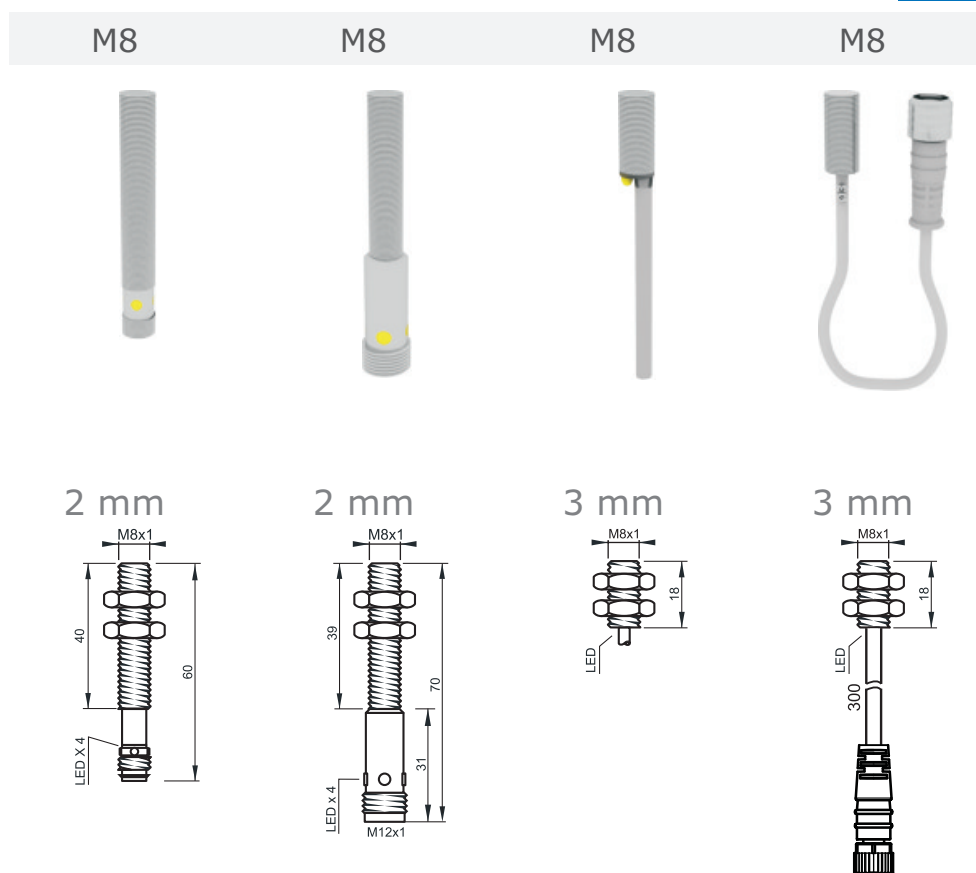


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications



SPECIFICATIONS

	M8 Metal Face	M8 Metal Face	M8x1	M8x1
Sensing Distance	2 mm - Shielded	2 mm - Shielded	3 mm - Shielded	3 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	1000 Hz	1000 Hz	1000 Hz	1000 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	IP69k, Conn. IP67	IP69k, Conn. IP67	IP67	IP67
Sensing Face Material	1.4305 / SS303	1.4305 / SS303	POM	POM
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	Connector M8, 3-pole	Connector M12, 4-pole	High-Flex PVC, 2m	Conn. M8, 3-pole, 30cm
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IMF8-S2PO60/M8	IMF8-S2PO70/M12	IPS8-S3PO18/A2P	IPS8-S3PO18/3P8
PNP - NC, 3-wire	IMF8-S2PC60/M8	IMF8-S2PC70/M12	IPS8-S3PC18/A2P	IPS8-S3PC18/3P8
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IMF8-S2NO60/M8	IMF8-S2NO70/M12	IPS8-S3NO18/A2P	IPS8-S3NO18/3P8
NPN - NC, 3-wire	IMF8-S2NC60/M8	IMF8-S2NC70/M12	IPS8-S3NC18/A2P	IPS8-S3NC18/3P8
NPN - NO+NC, 4-wire				

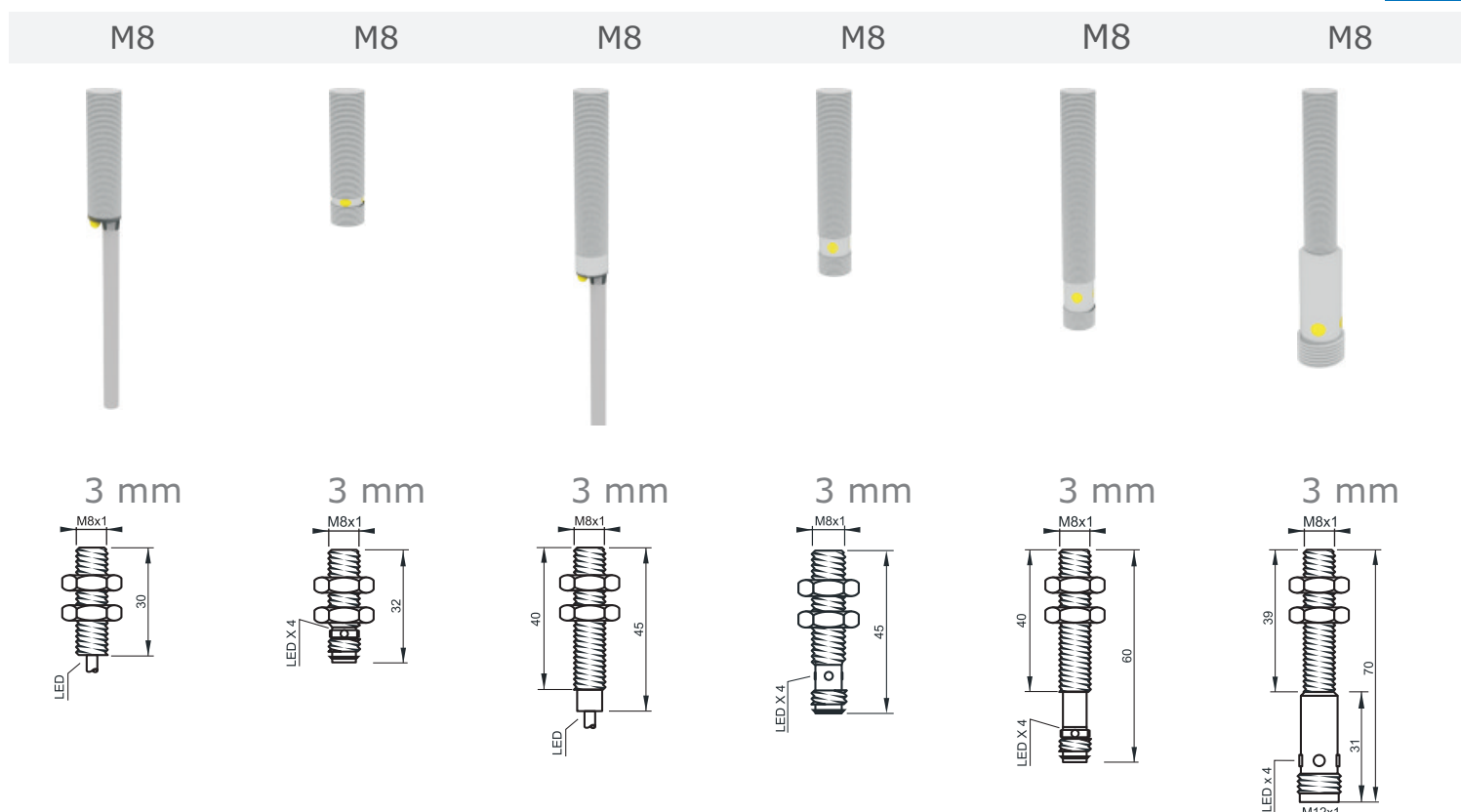
Subject to reasonable modifications due to technical advances.

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SENSOTRONIK

Inductive Proximity Switches



M8x1	M8x1	M8x1	M8x1	M8x1	M8x1
3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded	3 mm - Shielded
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 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 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 1000 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 1000 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 1000 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM 1.4305 / SS303 Connector M12, 4-pole Integrated
IPS8-S3PO30/A2P IPS8-S3PC30/A2P	IPS8-S3PO32/M8 IPS8-S3PC32/M8	IPS8-S3PO45/A2P IPS8-S3PC45/A2P	IPS8-S3PO45/M8 IPS8-S3PC45/M8	IPS8-S3PO60/M8 IPS8-S3PC60/M8	IPS8-S3PO70/M12 IPS8-S3PC70/M12
IPS8-S3NO30/A2P IPS8-S3NC30/A2P	IPS8-S3NO32/M8 IPS8-S3NC32/M8	IPS8-S3NO45/A2P IPS8-S3NC45/A2P	IPS8-S3NO45/M8 IPS8-S3NC45/M8	IPS8-S3NO60/M8 IPS8-S3NC60/M8	IPS8-S3NO70/M12 IPS8-S3NC70/M12