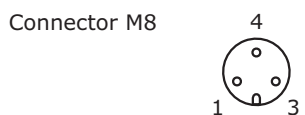
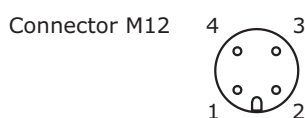
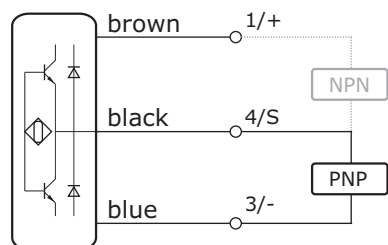
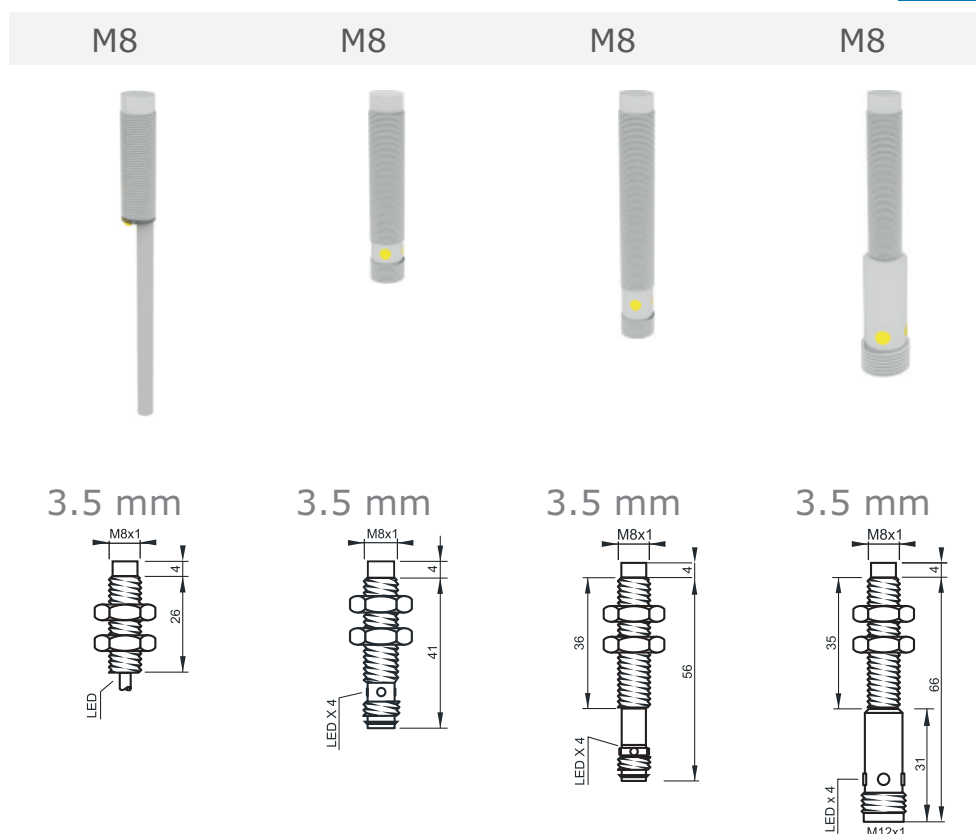


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications



SPECIFICATIONS

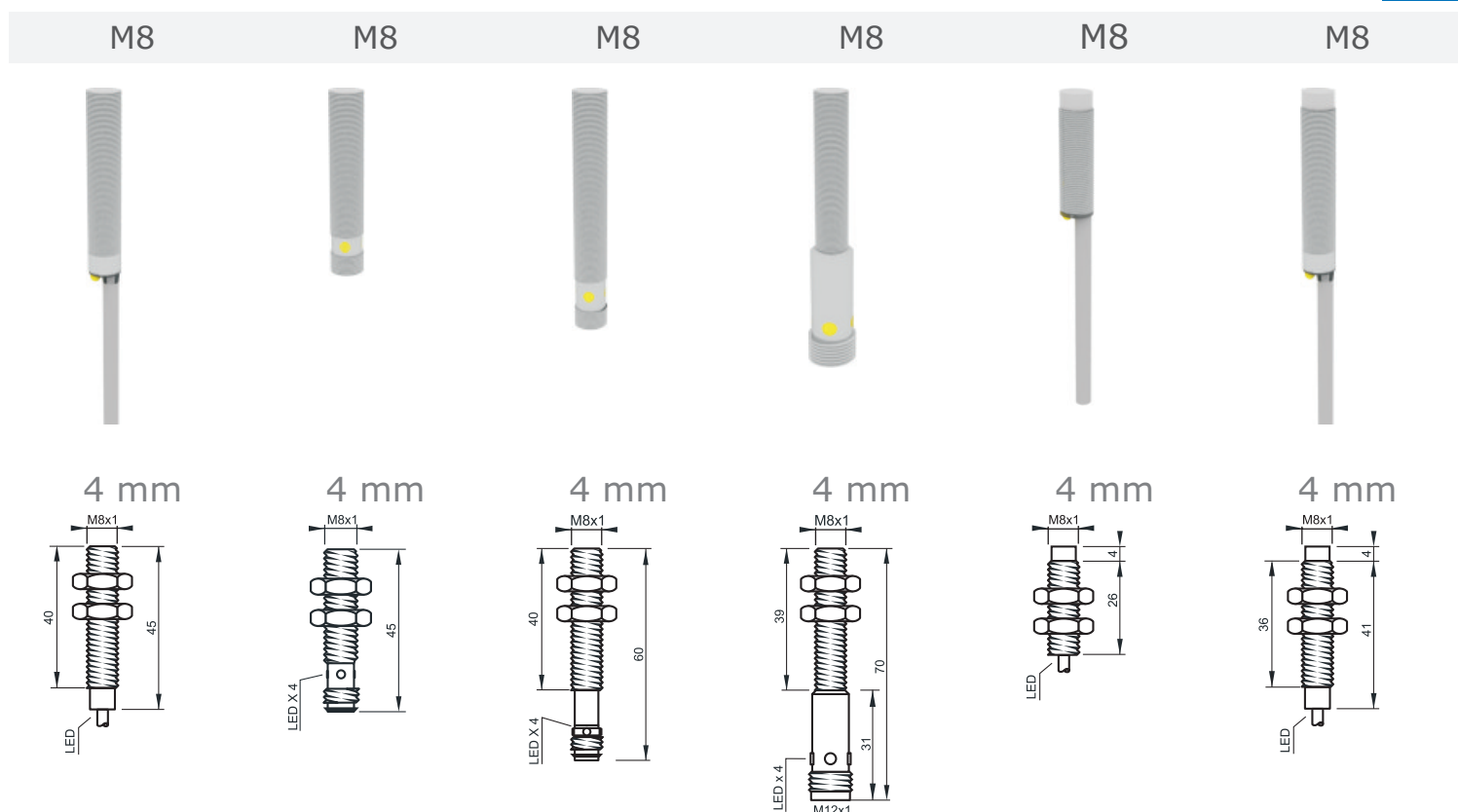
	M8 Metal Face	M8 Metal Face	M8 Metal Face	M8 Metal Face
Sensing Distance	3.5 mm - Unshielded	3.5 mm - Unshielded	3.5 mm - Unshielded	3.5 mm - Unshielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	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	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	IP69k, Conn. IP67	IP69k, Conn. IP67
Sensing Face Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	High-Flex PVC, 2m	Connector M8, 3-pole	Connector M8, 3-pole	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IMF8-N4PO30/A2P	IMF8-N4PO45/M8	IMF8-N4PO60/M8	IMF8-N4PO70/M12
PNP - NC, 3-wire	IMF8-N4PC30/A2P	IMF8-N4PC45/M8	IMF8-N4PC60/M8	IMF8-N4PC70/M12
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IMF8-N4NO30/A2P	IMF8-N4NO45/M8	IMF8-N4NO60/M8	IMF8-N4NO70/M12
NPN - NC, 3-wire	IMF8-N4NC30/A2P	IMF8-N4NC45/M8	IMF8-N4NC60/M8	IMF8-N4NC70/M12
NPN - NO+NC, 4-wire				

Subject to reasonable modifications due to technical advances.

Printed in Germany

Sensotronic AB • Tel. +46 44 200 800 • Fax +46 44 200 899 • info@sensotronic.se • http://www.sensotronic.se

Inductive Proximity Switches



M8 Performance	M8 Performance	M8 Performance	M8 Performance	M8x1	M8x1
4 mm - Shielded	4 mm - Shielded	4 mm - Shielded	4 mm - Shielded	4 mm - Unshielded	4 mm - Unshielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 500 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 500 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass 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 500 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass 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 500 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 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 High-Flex PVC, 2m Integrated
IPS8-S4PO45/A2P IPS8-S4PC45/A2P	IPS8-S4PO45/M8 IPS8-S4PC45/M8	IPS8-S4PO60/M8 IPS8-S4PC60/M8	IPS8-S4PO70/M12 IPS8-S4PC70/M12	IPS8-N4PO30/A2P IPS8-N4PC30/A2P	IPS8-N4PO45/A2P IPS8-N4PC45/A2P
IPS8-S4NO45/A2P IPS8-S4NC45/A2P	IPS8-S4NO45/M8 IPS8-S4NC45/M8	IPS8-S4NO60/M8 IPS8-S4NC60/M8	IPS8-S4NO70/M12 IPS8-S4NC70/M12	IPS8-N4NO30/A2P IPS8-N4NC30/A2P	IPS8-N4NO45/A2P IPS8-N4NC45/A2P