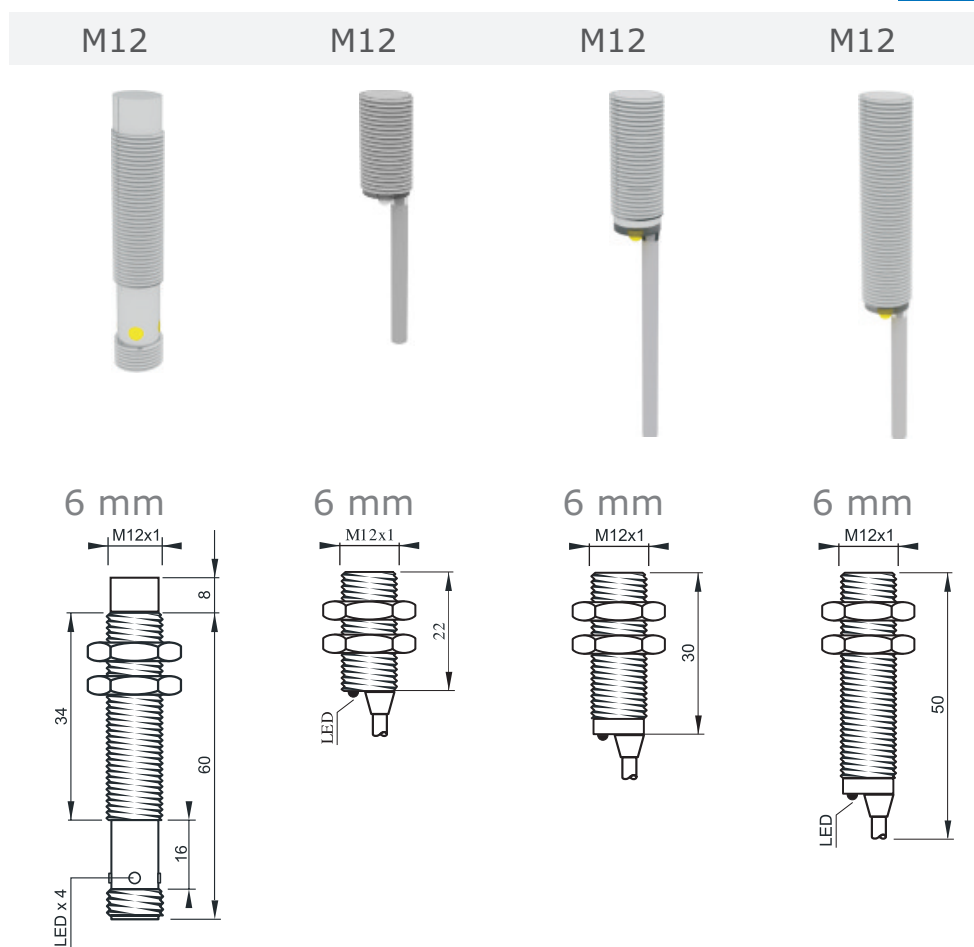
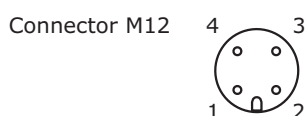
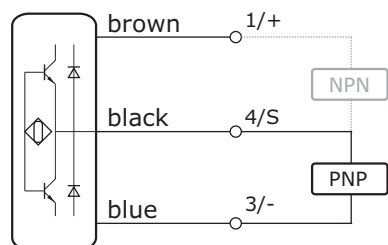


Inductive Proximity Switches

Output Schematics



SPECIFICATIONS

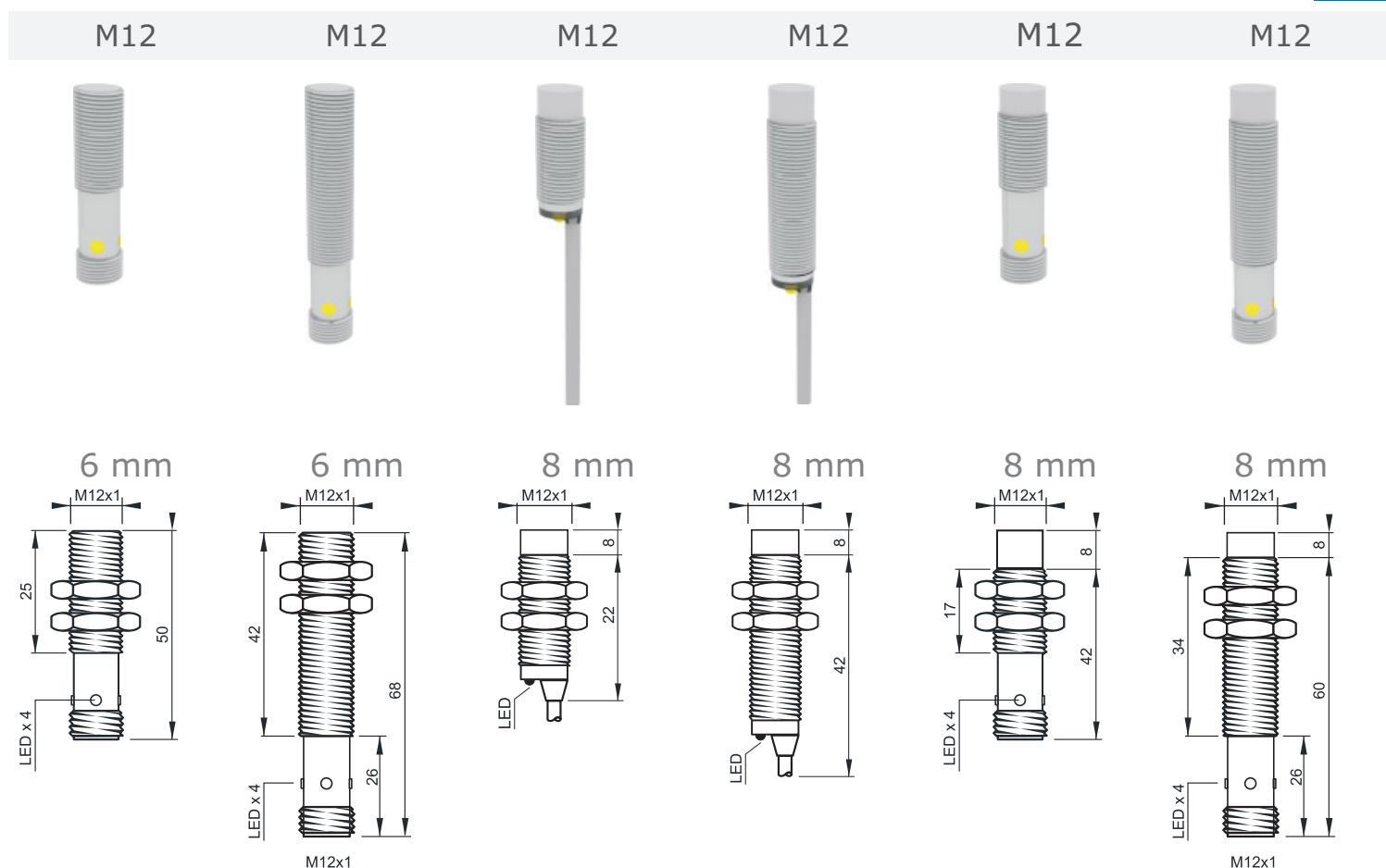
	M12 Metal Face	M12x1	M12x1	M12x1
Sensing Distance	6 mm - Unshielded	6 mm - Shielded	6 mm - Shielded	6 mm - Shielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 8 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	800 Hz	800 Hz	800 Hz	800 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	IP67	IP67	IP67
Sensing Face Material	1.4305 / SS303	POM	POM	POM
Housing Material	1.4305 / SS303	Plated Brass	Plated Brass	Plated Brass
Connection	Connector M12, 4-pole	High-Flex PVC, 2m	High-Flex PVC, 2m	High-Flex PVC, 2m
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IMF12-N6PO68/M12	IPS12-S6PO22/A2P	IPS12-S6PO30/A2P	IPS12-S6PO50/A2P
PNP - NC, 3-wire	IMF12-N6PC68/M12	IPS12-S6PC22/A2P	IPS12-S6PC30/A2P	IPS12-S6PC50/A2P
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IMF12-N6NO68/M12	IPS12-S6NO22/A2P	IPS12-S6NO30/A2P	IPS12-S6NO50/A2P
NPN - NC, 3-wire	IMF12-N6NC68/M12	IPS12-S6NC30/A2P	IPS12-S6NC30/A2P	IPS12-S6NC50/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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Inductive Proximity Switches



M12x1	M12x1	M12x1	M12x1	M12x1	M12x1
6 mm - Shielded	6 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 800 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 800 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 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 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 M12, 4-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 M12, 4-pole Integrated
IPS12-S6PO50/M12 IPS12-S6PC50/M12	IPS12-S6PO68/M12 IPS12-S6PC68/M12	IPS12-N8PO30/A2P IPS12-N8PC30/A2P	IPS12-N8PO50/A2P IPS12-N8PC50/A2P	IPS12-N8PO50/M12 IPS12-N8PC50/M12	IPS12-N8PO68/M12 IPS12-N8PC68/M12
IPS12-S6NO50M12 IPS12-S6NC50M12	IPS12-S6NO68/M12 IPS12-S6NC68/M12	IPS12-N8NO30/A2P IPS12-N8NC30/A2P	IPS12-N8NO50/A2P IPS12-N8NC50/A2P	IPS12-N8NO50/M12 IPS12-N8NC50/M12	IPS12-N8NO68/M12 IPS12-N8NC68/M12

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IPS12-N8DO68/M12
IPS12-N8DC68/M12