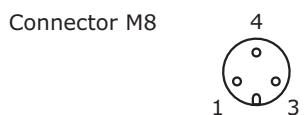
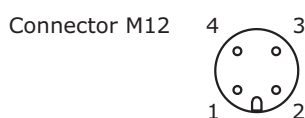
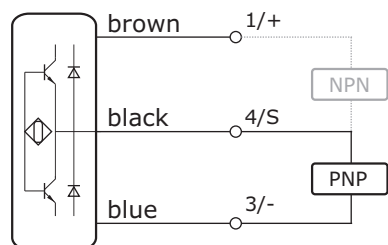
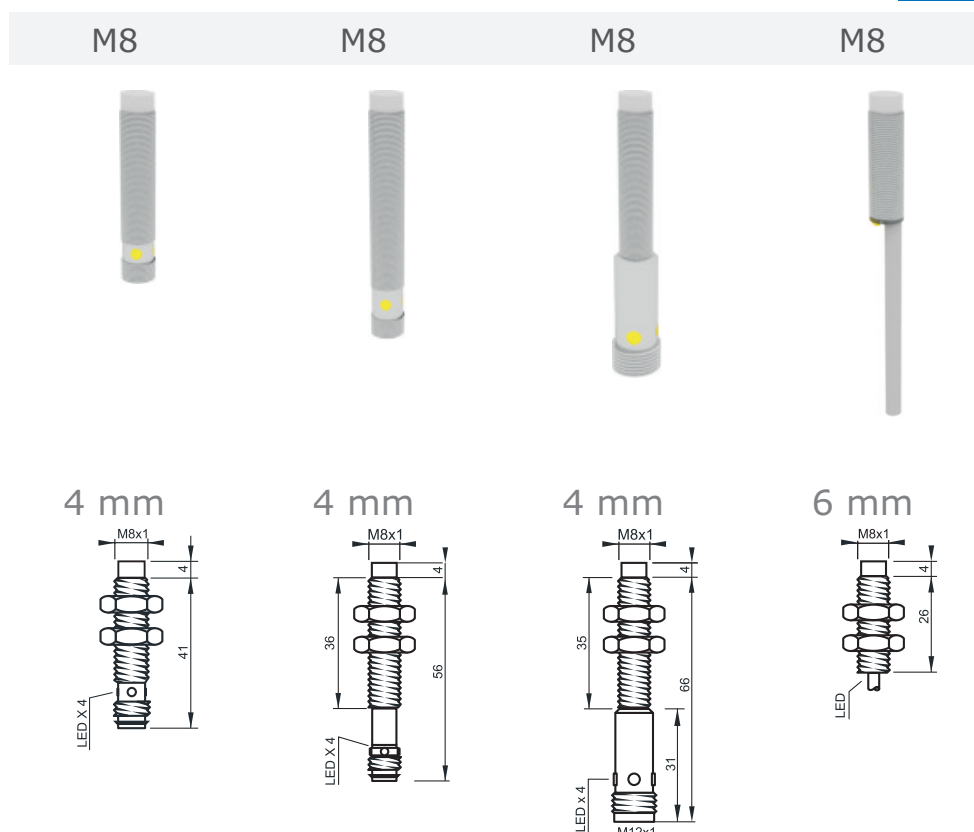


Inductive Proximity Switches

Output Schematics



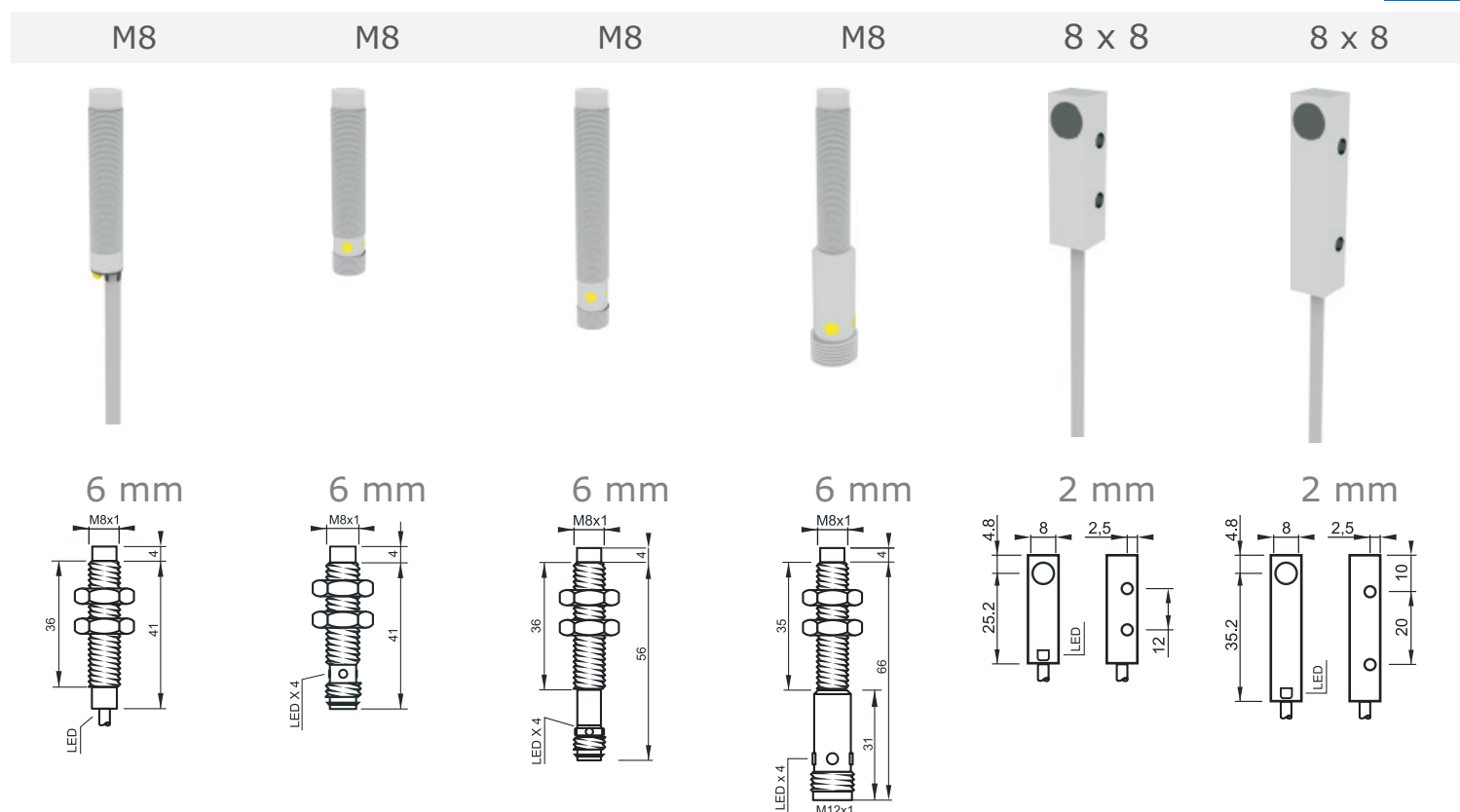
Not to be
used for
Safety
Applications



SPECIFICATIONS

	M8x1	M8x1	M8x1	M8x1
Sensing Distance	4 mm - Unshielded	4 mm - Unshielded	4 mm - Unshielded	6 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	500 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-N4PO45/M8	IPS8-N4PO60/M8	IPS8-N4PO70/M12	IPS8-N6PO30/A2P
PNP - NC, 3-wire	IPS8-N4PC45/M8	IPS8-N4PC60/M8	IPS8-N4PC70/M12	IPS8-N6PC30/A2P
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS8-N4NO45/M8	IPS8-N4NO60/M8	IPS8-N4NO70/M12	IPS8-N6NO30/A2P
NPN - NC, 3-wire	IPS8-N4NC45/M8	IPS8-N4NC60/M8	IPS8-N4NC70/M12	IPS8-N6NC30/A2P
NPN - NO+NC, 4-wire				

Inductive Proximity Switches



M8x1	M8x1	M8x1	M8x1	8 x 8	8 x 8
6 mm - Unshielded	6 mm - Unshielded	6 mm - Unshielded	6 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 500 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 500 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 500 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 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 2000 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 2000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass High-Flex PVC, 2m Integrated
IPS8-N6PO45/A2P IPS8-N6PC45/A2P	IPS8-N6PO45/M8 IPS8-N6PC45/M8	IPS8-N6PO60/M8 IPS8-N6PC60/M8	IPS8-N6PO70/M12 IPS8-N6PC70/M12	IPS88-S2PO30/A2P IPS88-S2PC30/A2P	IPS88-S2PO40/A2P IPS88-S2PC40/A2P
IPS8-N6NO45/A2P IPS8-N6NC45/A2P	IPS8-N6NO45/M8 IPS8-N6NC45/M8	IPS8-N6NO60/M8 IPS8-N6NC60/M8	IPS8-N6NO70/M12 IPS8-N6NC70/M12	IPS88-S2NO30/A2P IPS88-S2NC30/A2P	IPS88-S2NO40/A2P IPS88-S2NC40/A2P