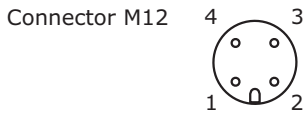
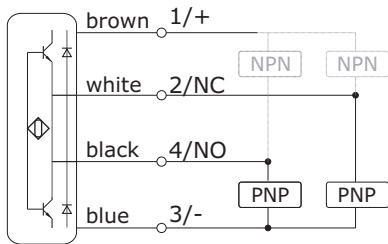
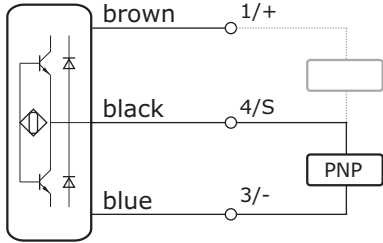
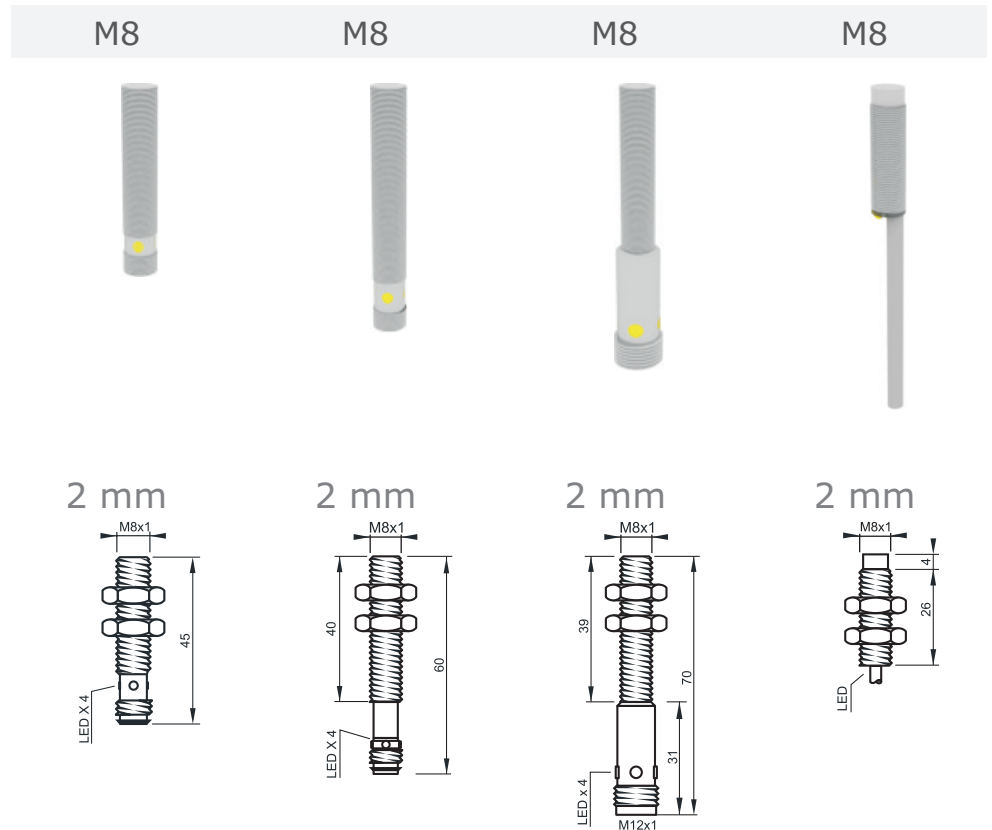


## Inductive Proximity Switches

### 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
<b>Article Code</b>				
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				
Recommended Connecting Cable	M8/3... / M8/4...	M8/3... / M8/4...	M12/3... / M12/4...	-