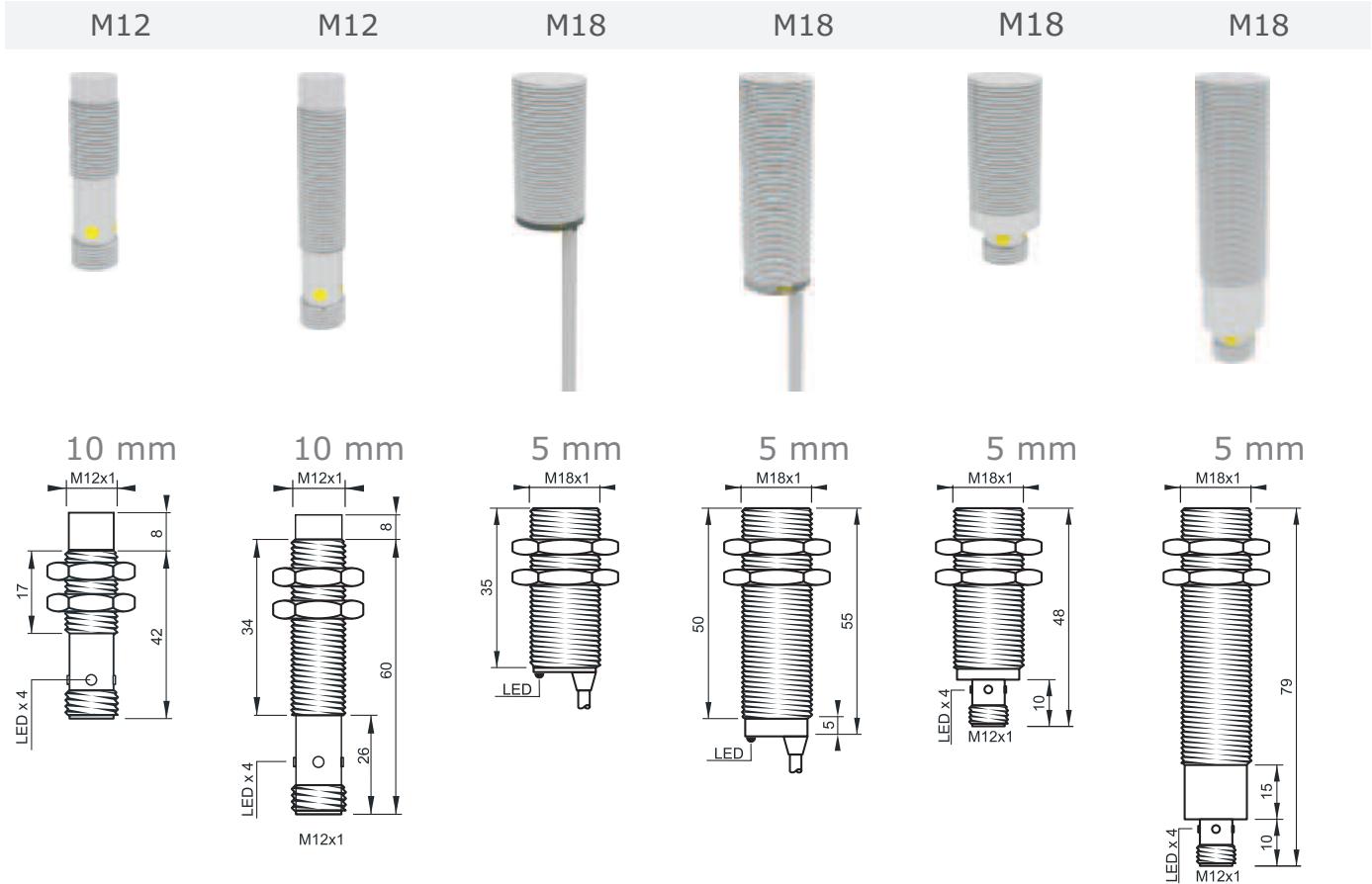


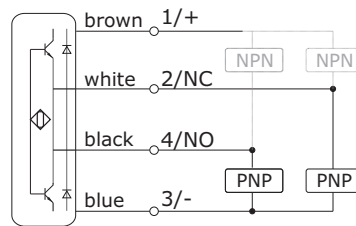
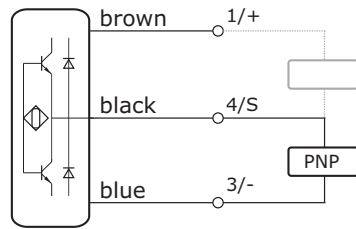
Inductive Proximity Switches

INDUCTIVE

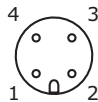


M12x1	M12x1	M18x1	M18x1	M18x1	M18x1
10 mm - Unshielded	10 mm - Unshielded	5 mm - Shielded	5 mm - Shielded	5 mm - Shielded	5 mm - Shielded
10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 400 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 400 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 1000 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 1000 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 1000 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass Connector M12, 4-pole Integrated
IPS12-N10PO50/M12 IPS12-N10PC50/M12	IPS12-N10PO68/M12 IPS12-N10PC68/M12	IPS18-S5PO35/A2P IPS18-S5PC35/A2P	IPS18-S5PO55/A2P IPS18-S5PC55/A2P	IPS179S5PO4-/M12 IPS179S5PC4-/M12	IPS18-S5PO48/M12 IPS18-S5PC48/M12
IPS12-N10NO50/M12 IPS12-N10NC50/M12	IPS12-N10NO68/M12 IPS12-N10NC68/M12	IPS18-S5NO35/A2P IPS18-S5NC35/A2P	IPS18-S5NO55/A2P IPS18-S5NC55/A2P	IPS179S5NO4-/M12 IPS18-S5NC79/M12	IPS18-S5NO48/M12 IPS18-S5NC48/M12
M12/3...	M12/3...	-	IPS18-S5DO55/A2P IPS18-S5DC55/A2P -	IPS18-S5DO79/M12 IPS18-S5DC79/M12 M12/3...	M12/3...

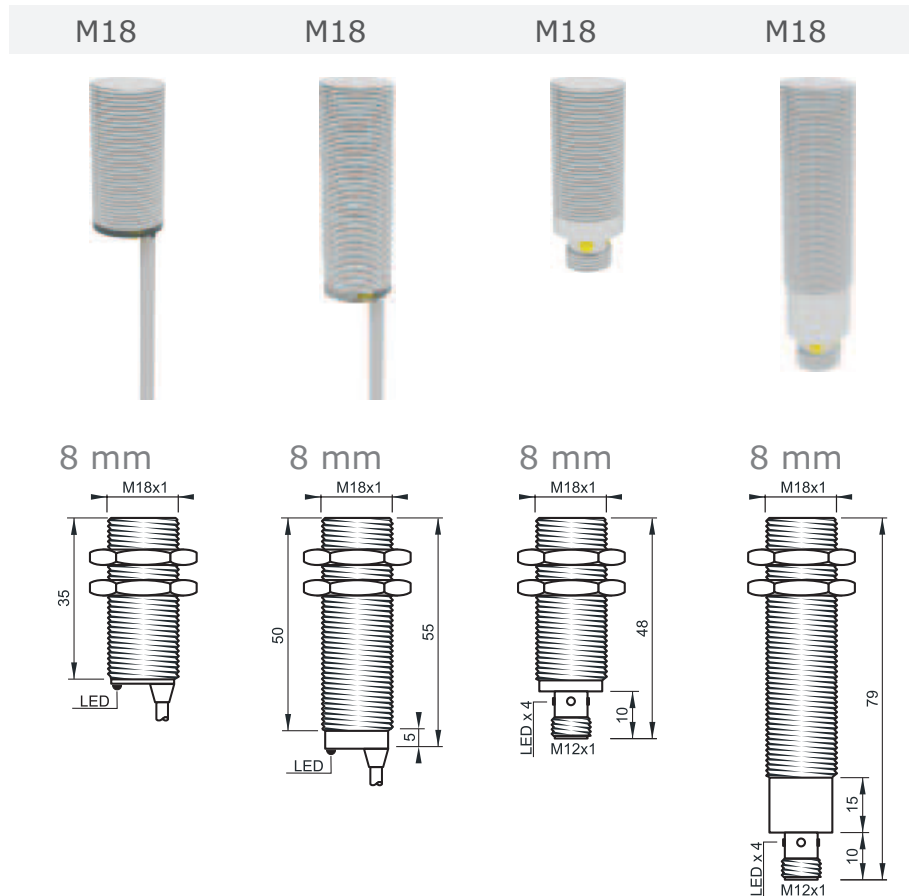
Output Schematics



Connector M12



Not to be
used for
Safety
Applications



SPECIFICATIONS

	M18x1	M18x1	M18x1	M18x1
Sensing Distance	8 mm - Shielded	8 mm - Shielded	8 mm - Shielded	8 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 Capacity	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	500 Hz	500 Hz	500 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	Plated Brass	Plated Brass	Plated Brass	Plated Brass
Connection	High-Flex PVC, 2m	High-Flex PVC, 2m	Connector M12, 4-pole	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated
Article Code				
PNP - NO, 3-wire	IPS18-S8PO35/A2P	IPS18-S8PO55/A2P	IPS18-S8PO48/M12	IPS18-S8PO79/M12
PNP - NC, 3-wire	IPS18-S8PC35/A2P	IPS18-S8PC55/A2P	IPS18-S8PC48/M12	IPS18-S8PC79/M12
PNP - NO+NC, 4-wire	IPS18-S8PCO35/A2P	IPS18-S8PCO55/A2P	IPS18-S8PCO48/M12	IPS18-S8PCO79/M12
NPN - NO, 3-wire	IPS18-S8NO35/A2P	IPS18-S8NO55/A2P	IPS18-S8NO48/M12	IPS18-S8NO79/M12
NPN - NC, 3-wire	IPS18-S8NC35/A2P	IPS18-S8NC55/A2P	IPS18-S8NC48/M12	IPS18-S8NC79/M12
NPN - NO+NC, 4-wire	IPS18-S8NCO35/A2P	IPS18-S8NCO55/A2P	IPS18-S8NCO48/M12	IPS18-S8NCO79/M12
10...55 VDC - NO, 2-wire		IPS18-S8DO55/A2P		IPS18-S8DO79/M12
10...55 VDC - NC, 2-wire		IPS18-S8DC55/A2P		IPS18-S8DC79/M12
Recommended Connecting Cable	-	-	M12/3... / M12/4...	M12/3... / M12/4...