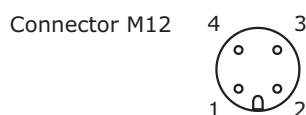
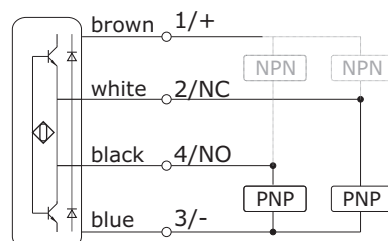
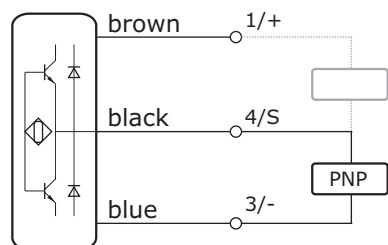


Inductive Proximity Switches

Output Schematics

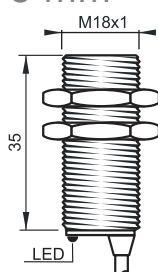


Not to be
used for
Safety
Applications

M18



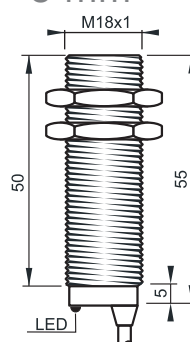
8 mm



M18



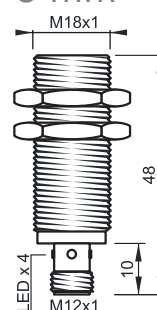
8 mm



M18



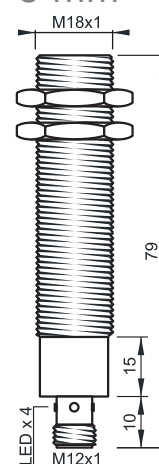
8 mm



M18



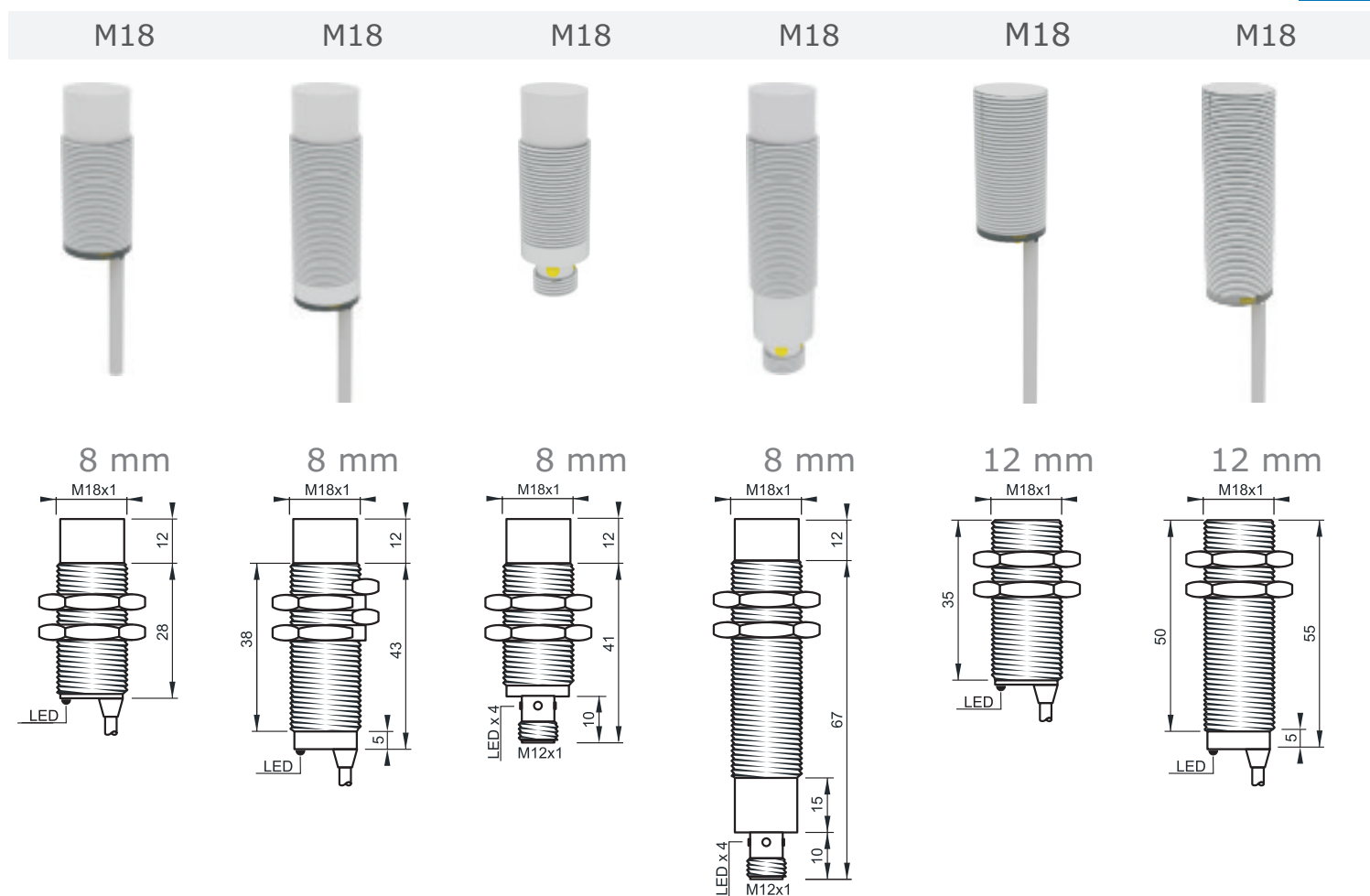
8 mm



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 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	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

Inductive Proximity Switches



M18x1	M18x1	M18x1	M18x1	M18x1	M18x1
8 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded	8 mm - Unshielded	12 mm - Shielded	12 mm - Shielded
10...30 VDC, 3-wire integrado < 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	10...30 VDC, 3-wire built-in < 8 mA 200 mA built-in - self resetting < 1.5 V @ 200 mA 300 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 300 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass High-Flex PVC, 2m Integrated
IPS18-N8PO40/A2P IPS18-N8PC40/A2P	IPS18-N8PO55/A2P IPS18-N8PC55/A2P	IPS18-N8PO53/M12 IPS18-N8PC53/M12	IPS18-N8PO79/M12 IPS18-N8PC79/M12	IPS18-S12PO35/A2P IPS18-S12PC35/A2P	IPS18-S12PO55/A2P IPS18-S12PC55/A2P
IPS18-N8NO40/A2P IPS18-N8NC40/A2P	IPS18-N8NO55/A2P IPS18-N8NC55/A2P	IPS18-N8NO53/M12 IPS18-N8NC53/M12	IPS18-N8NO79/M12 IPS18-N8NC79/M12	IPS18-S12NO35/A2P IPS18-S12NC35/A2P	IPS18-S12NO55/A2P IPS18-S12NC55/A2P
	IPS18-N8DO55/A2P IPS18-N8DC55/A2P		IPS18-N8DO79/M12 IPS18-N8DC79/M12		