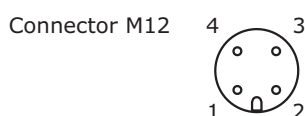
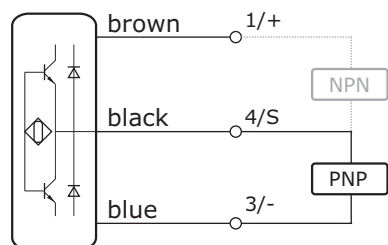


Inductive Proximity Switches

Output Schematics



Not to be
used for
Safety
Applications

M18

M18

M18

M18

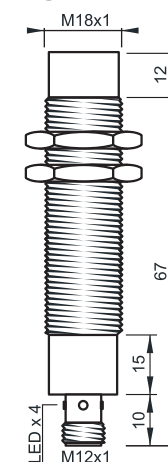
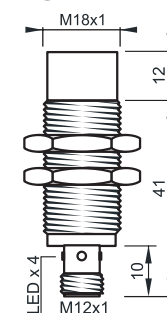
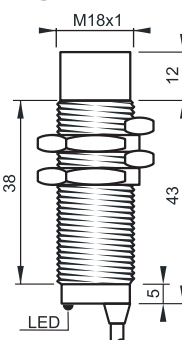
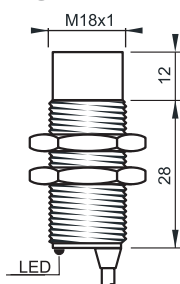


20 mm

20 mm

20 mm

20 mm



SPECIFICATIONS

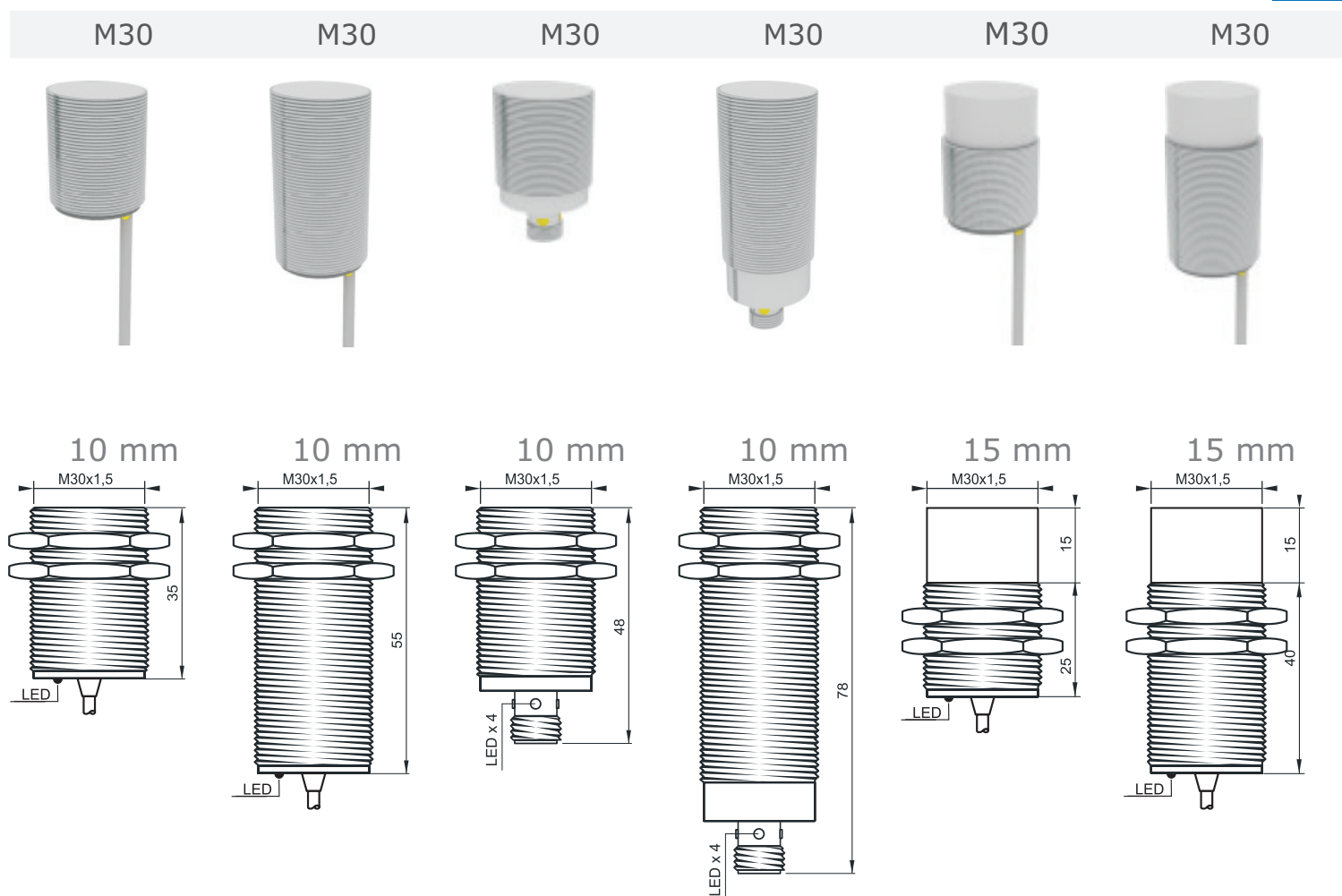
	M18x1	M18x1	M18x1	M18x1
Sensing Distance	20 mm - Unshielded	20 mm - Unshielded	20 mm - Unshielded	20 mm - Unshielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 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	100 Hz	100 Hz	100 Hz	100 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-N20PO40/A2P	IPS18-N20PO55/A2P	IPS18-N20PO53/M12	IPS18-N20PO79/M12
PNP - NC, 3-wire	IPS18-N20PC40/A2P	IPS18-N20PC55/A2P	IPS18-N20PC53/M12	IPS18-N20PC79/M12
PNP - NO+NC, 4-wire				
NPN - NO, 3-wire	IPS18-N20NO40/A2P	IPS18-N20NO55/A2P	IPS18-N20NO53/M12	IPS18-N20NO79/M12
NPN - NC, 3-wire	IPS18-N20NC40/A2P	IPS18-N20NC55/A2P	IPS18-N20NC53/M12	IPS18-N20NC79/M12
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



M30x1.5	M30x1.5	M30x1.5	M30x1.5	M30x1.5	M30x1.5
10 mm - Shielded	10 mm - Shielded	10 mm - Shielded	10 mm - Shielded	15 mm - Unshielded	15 mm - Unshielded
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	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 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 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 150 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 150 Hz < 1 % (Sn) 3...15 % -25...75 °C IP67 POM Plated Brass High-Flex PVC, 2m Integrated
IPS30-S10PO35/A2P IPS30-S10PC35/A2P	IPS30-S10PO55/A2P IPS30-S10PC55/A2P	IPS30-S10PO48/M12 IPS30-S10PC48/M12	IPS30-S10PO79/M12 IPS30-S10PC79/M12	IPS30-N15PO40/A2P IPS30-N15PC40/A2P	IPS30-N15PO55/A2P IPS30-N15PC55/A2P
IPS30-S10NO35/A2P IPS30-S10NC35/A2P	IPS30-S10NO55/A2P IPS30-S10NC55/A2P	IPS30-S10NO48/M12 IPS30-S10NC48/M12	IPS30-S10NO79/M12 IPS30-S10NC79/M12	IPS30-N15NO40/A2P IPS30-N15NC40/A2P	IPS30-N15NO55/A2P IPS30-N15NC55/A2P
	IPS30-S10DO55/A2P IPS30-S10DC55/A2P		IPS30-S10DO79/M12 IPS30-S10DC79/M12		IPS30-N15DO55/A2P IPS30-N15DC55/A2P