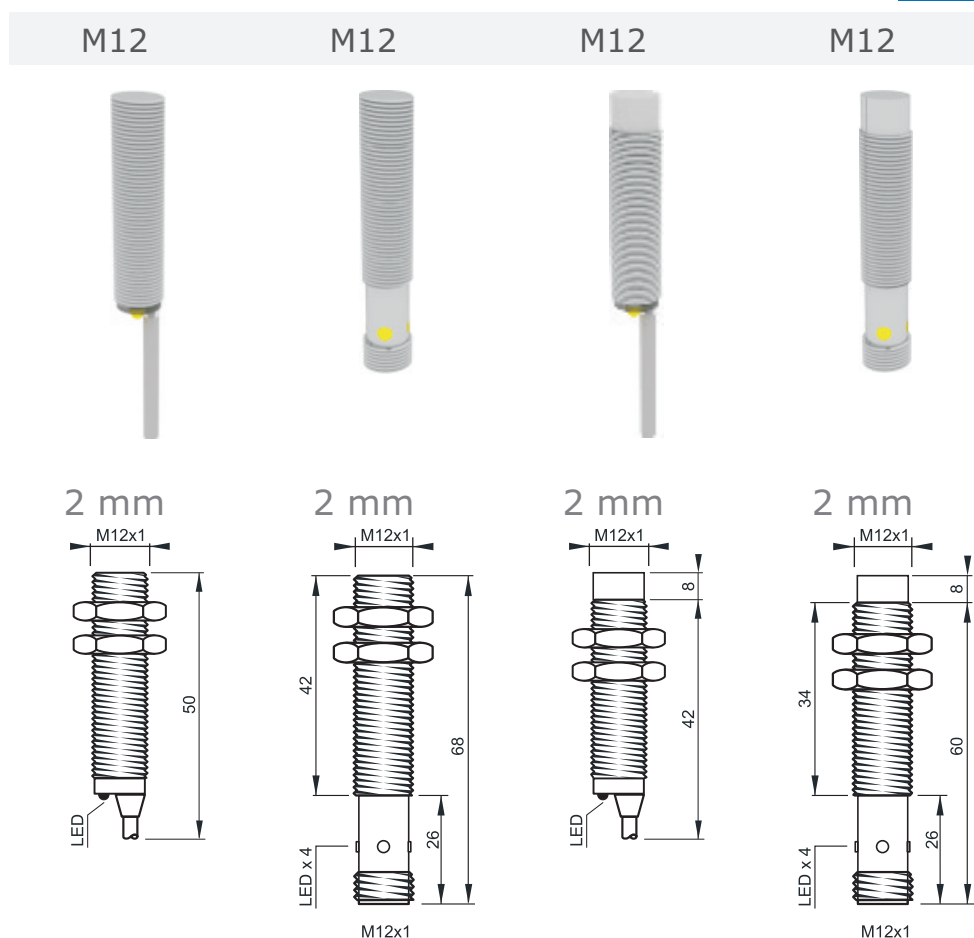
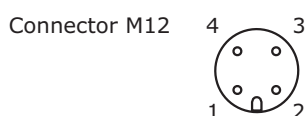
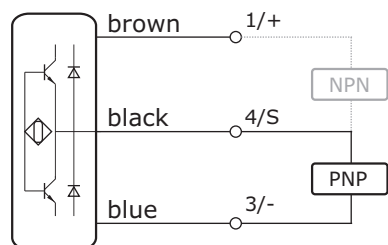


Inductive Proximity Switches

Ferrous / Non-Ferrous Sensing only

Output Schematics



SPECIFICATIONS

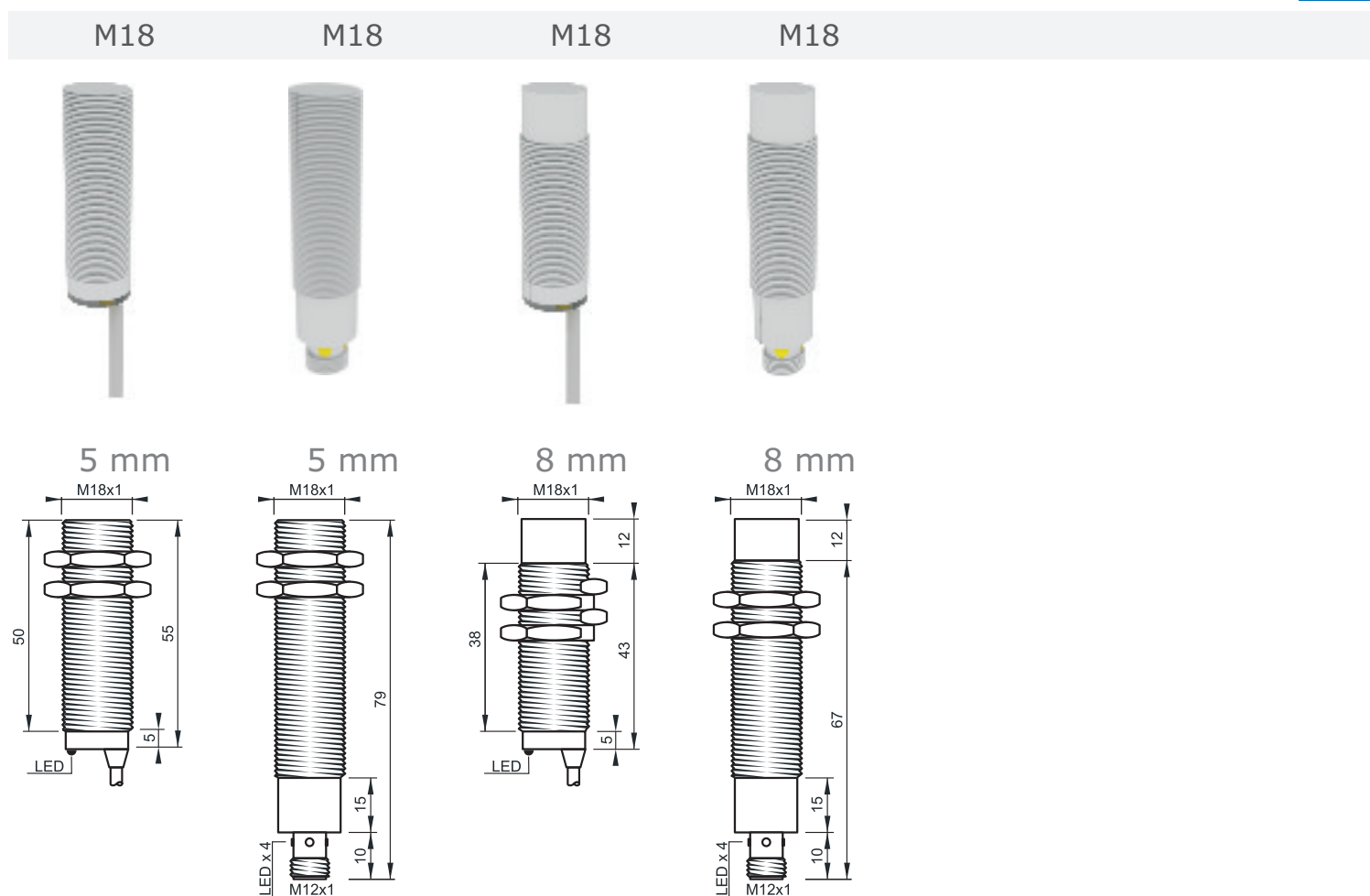
	M12x1 - Ferrous	M12x1 - Ferrous	M12x1 - Ferrous	M12x1 - Ferrous
Sensing Distance	2 mm - Shielded	2 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	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	IP69k, Conn. IP67	IP69k, Conn. IP67	IP69k, Conn. IP67	IP69k, Conn. IP67
Sensing Face Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	High-Flex PVC, 2m	Connector M12, 4-pole	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

PNP, NO - Ferrous Only	IFE12-S2PO50/A2P	IFE12-S2PO68/M12	IFE12-N4PO50/A2P	IFE12-N4PO68/M12
PNP, NC - Ferrous Only	IFE12-S2PC50/A2P	IFE12-S2PC68/M12	IFE12-N4PC50/A2P	IFE12-N4PC68/M12
NPN, NO - Ferrous Only	IFE12-S2NO50/A2P	IFE12-S2NO68/M12	IFE12-N4NO50/A2P	IFE12-N4NO68/M12
NPN, NC - Ferrous Only	IFE12-S2NC50/A2P	IFE12-S2NC68/M12	IFE12-N4NC50/A2P	IFE12-N4NC68/M12
PNP, NO - Non Ferrous Only	INF12-S2PO50/A2P	INF12-S2PO68/M12	INF12-N4PO50/A2P	INF12-N4PO68/M12
PNP, NC - Non Ferrous Only	INF12-S2PC50/A2P	INF12-S2PC68/M12	INF12-N4PC50/A2P	INF12-N4PC68/M12
NPN, NO - Non Ferrous Only	INF12-S2NO50/A2P	INF12-S2NO68/M12	INF12-N4NO50/A2P	INF12-N4NO68/M12
NPN, NC - Non Ferrous Only	INF12-S2NC50/A2P	INF12-S2NC68/M12	INF12-N4NC50/A2P	INF12-N4NC68/M12

Inductive Proximity Switches

Ferrous / Non-Ferrous Sensing only



M18x1 - Ferrous	M18x1 - Ferrous	M18x1 - Ferrous	M18x1 - Ferrous
5 mm - Shielded	5 mm - Shielded	8 mm - Unshielded	8 mm - Unshielded
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 IP69k, Conn. IP67 1.4305 / SS303 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 1000 Hz < 1 % (Sn) 3...15 % -25...75 °C IP69k, Conn. IP67 1.4305 / SS303 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 500 Hz < 1 % (Sn) 3...15 % -25...75 °C IP69k, Conn. IP67 1.4305 / SS303 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 IP69k, Conn. IP67 1.4305 / SS303 1.4305 / SS303 Connector M12, 4-pole Integrated
IFE18-S5PO55/A2P IFE18-S5PC55/A2P IFE18-S5NO55/A2P IFE18-S5NC55/A2P INF18-S5PO55/A2P INF18-S5PC55/A2P INF18-S5NO55/A2P INF18-S5NC55/A2P	IFE18-S5PO79/M12 IFE18-S5PC79/M12 IFE18-S5NO79/M12 IFE18-S5NC79/M12 INF18-S5PO79/M12 INF18-S5PC79/M12 INF18-S5NO79/M12 INF18-S5NC79/M12	IFE18-N8PO55/A2P IFE18-N8PC55/A2P IFE18-N8NO55/A2P IFE18-N8NC55/A2P INF18-N8PO55/A2P INF18-N8PC55/A2P IFE18-NNFO55/A2P INF18-N8NC55/A2P	IFE18-N8PO79/M12 IFE18-N8PC79/M12 IFE18-N8NO79/M12 IFE18-N8NC79/M12 INF18-N8PO79/M12 INF18-N8PC79/M12 IFE18-NNFO79/M12 INF18-N8NC79/M12