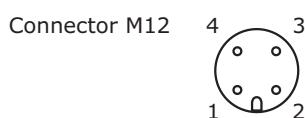
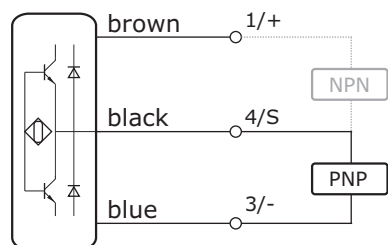


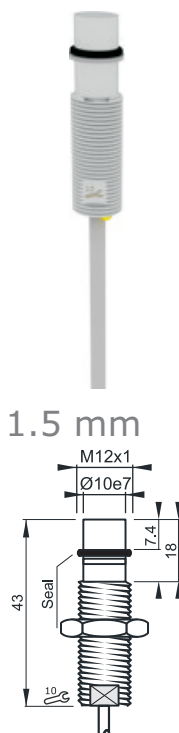
Inductive Proximity Switches High Pressure Proof (500 bar)

Output Schematics



Not to be
used for
Safety
Applications

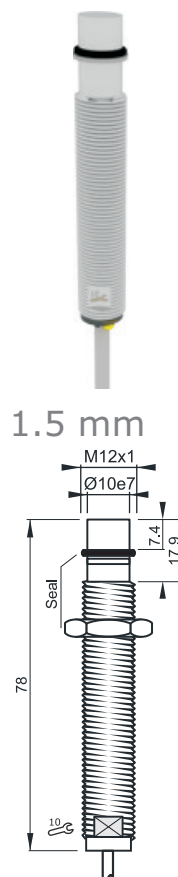
M12



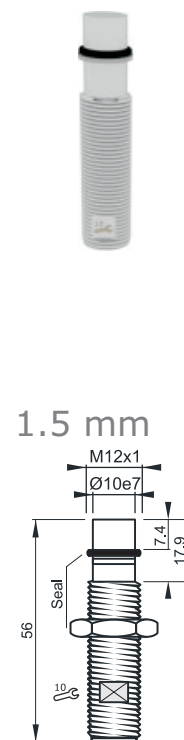
M12



M12



M12



SPECIFICATIONS

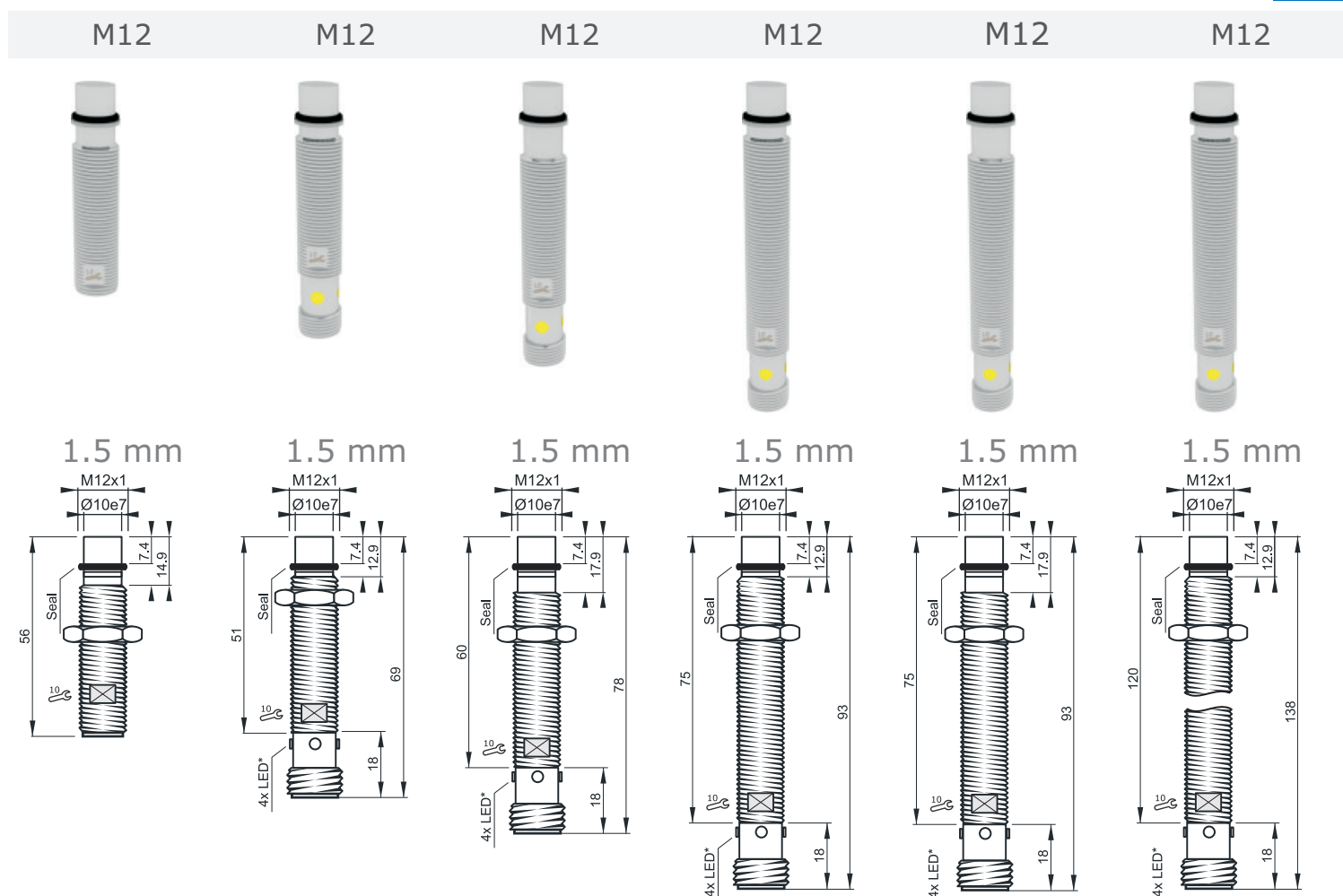
	M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar
Sensing Distance	1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded
Pressure Tightness	500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	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	< 3 %	< 3 %	< 3 %	< 3 %
Hysteresis	< 20 %	< 20 %	< 20 %	< 20 %
Operating Temperature	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
Protection Class	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67
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	High-Flex PVC, 2m	High-Flex PVC, 2m	Connector M12, 4-pole
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

PNP, NO	IHP12-S1.5PO43/A2P	IHP12-S1.5PO47/A2P	IHP12-S1.5PO78/A2P	IHP12-S1.5PO56/A12
PNP, NC	IHP12-S1.5PC43/A2P	IHP12-S1.5PC47/A2P	IHP12-S1.5PC78/A2P	IHP12-S1.5PC56/A12
NPN, NO	IHP12-S1.5NO43/A2P	IHP12-S1.5NO47/A2P	IHP12-S1.5NO78/A2P	IHP12-S1.5NO56/A12
NPN, NC	IHP12-S1.5NC43/A2P	IHP12-S1.5NC47/A2P	IHP12-S1.5NC78/A2P	IHP12-S1.5NC56/A12

Inductive Proximity Switches High Pressure Proof (500 bar)

INDUCTIVE



M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar	M12x1 - 500 bar
1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded	1.5 mm - Shielded
500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI	500 bar / 7250 PSI
10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
built-in	built-in	built-in	built-in	built-in	built-in
< 8 mA	< 8 mA	< 8 mA	< 8 mA	< 8 mA	< 8 mA
200 mA	200 mA	200 mA	200 mA	200 mA	200 mA
built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA	< 1.5 V @ 200 mA
2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 Hz
< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %
< 20 %	< 20 %	< 20 %	< 20 %	< 20 %	< 20 %
-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C	-25...75 °C
IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67	IP 69k, IP 67
1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connector M12, 4-pole	Connector M12, 4-pole	Connector M12, 4-pole	Connector M12, 4-pole	Connector M12, 4-pole	Connector M12, 4-pole
Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
IHP12-S1.5PO57/A12	IHP12-S1.5PO69/A12	IHP12-S1.5PO78/A12	IHP12-S1.5PO93/A12	IHP12-S1.5PO94/A12	IHP12-S1.5PO138/A12
IHP12-S1.5PC57/A12	IHP12-S1.5PC69/A12	IHP12-S1.5PC78/A12	IHP12-S1.5PC93/A12	IHP12-S1.5PC94/A12	IHP12-S1.5PC138/A12
IHP12-S1.5NO57/A12	IHP12-S1.5NO69/A12	IHP12-S1.5NO78/A12	IHP12-S1.5NO93/A12	IHP12-S1.5NO94/A12	IHP12-S1.5NO138/A12
IHP12-S1.5NC57/A12	IHP12-S1.5NC69/A12	IHP12-S1.5NC78/A12	IHP12-S1.5NC93/A12	IHP12-S1.5NC94/A12	IHP12-S1.5NC138/A12