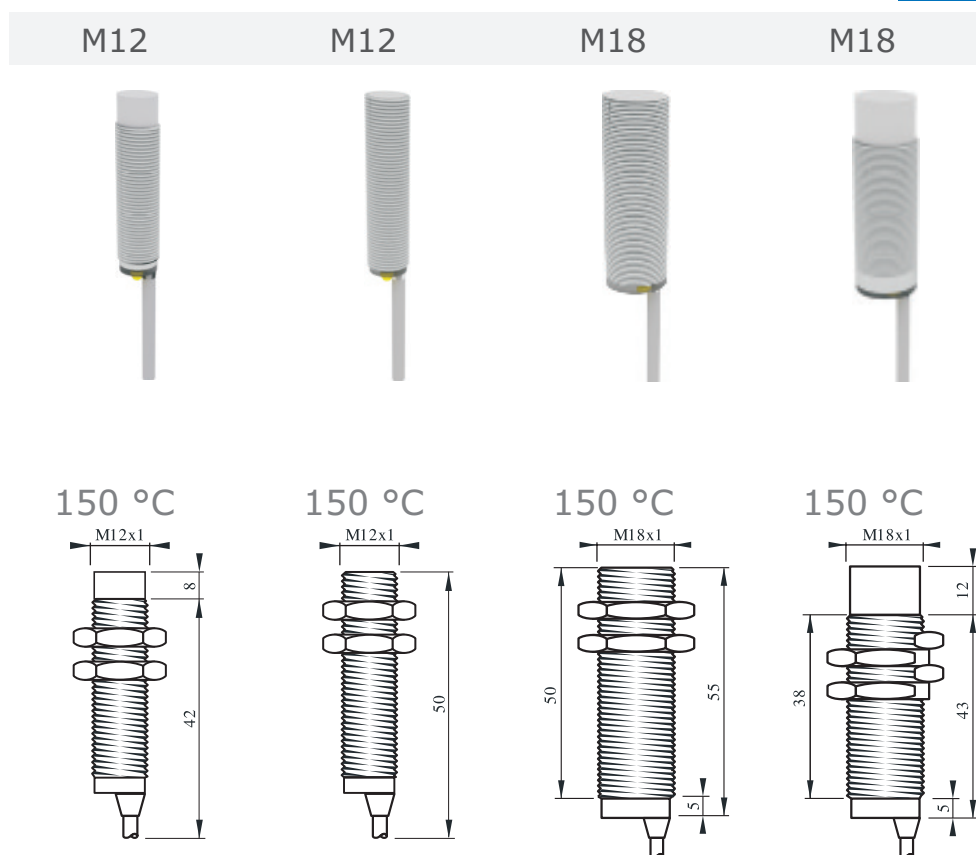
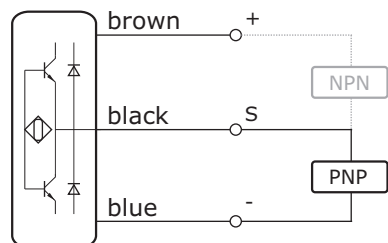


Inductive Proximity Switches

High Temperature

Output Schematics



SPECIFICATIONS

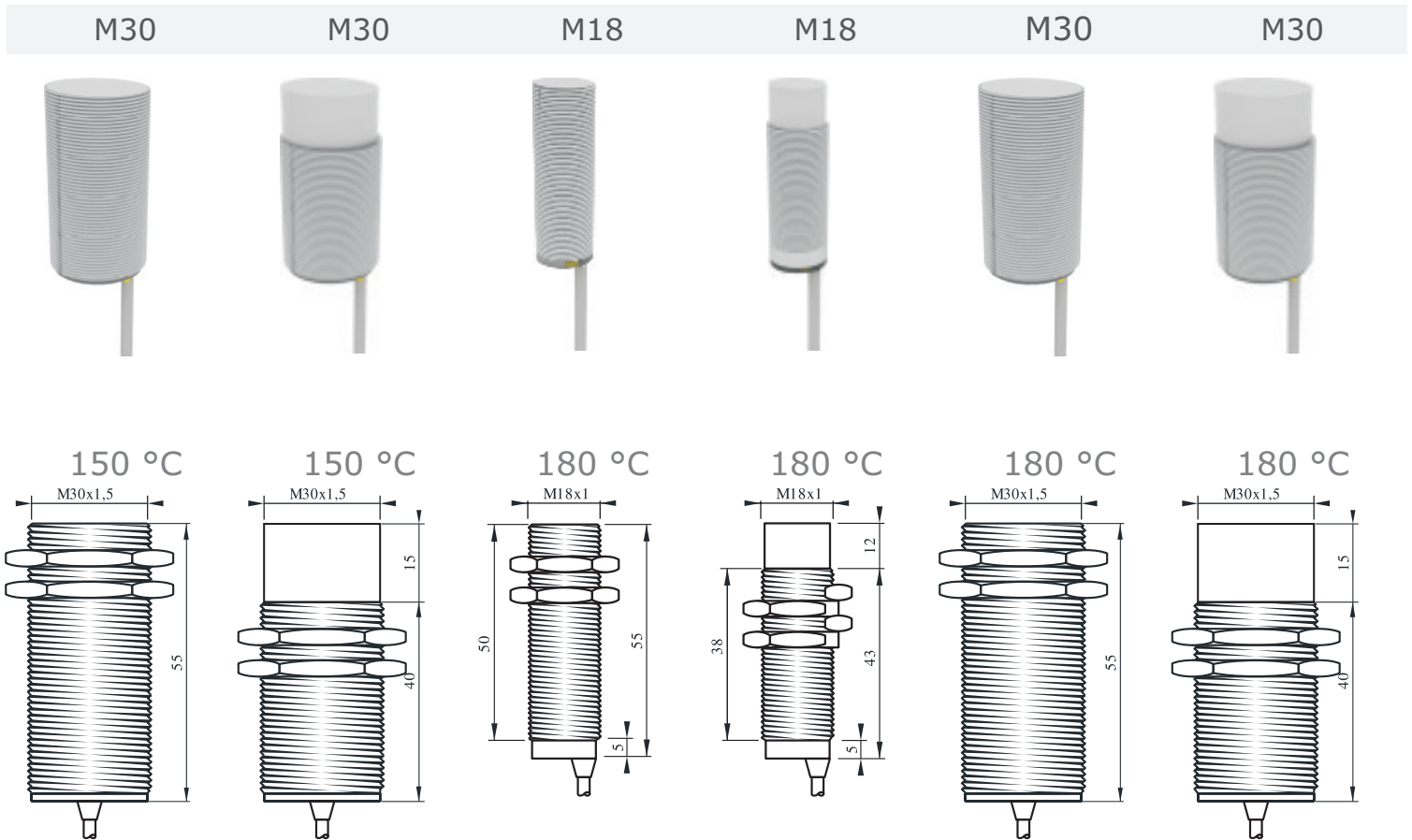
	M12x1 - 150 °C	M12x1 - 150 °C	M18x1 - 150 °C	M18x1 - 150 °C
Sensing Distance	4 mm - Unshielded	4 mm - Shielded	5 mm - Shielded	8 mm - Unshielded
Amplifier	Fully Embedded	Fully Embedded	Fully Embedded	Fully Embedded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 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	120 mA	120 mA	150 mA	150 mA
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	< 2 V @ 120 mA	< 2 V @ 120 mA	< 2 V @ 150 mA	< 2 V @ 150 mA
Switching Frequency	1000 Hz	1000 Hz	900 Hz	500 Hz
Repeatability	< 3 %	< 3 %	< 3 %	< 3 %
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C
Thermal Stress	permanent	permanent	permanent	permanent
Protection Class	IP 67	IP 67	IP 67	IP 67
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone
Output Indicator	On Request	On Request	On Request	On Request

Article Code

PTFE Cable - PNP, NO	IHT12-N4BPO50/N2T	IHT12-S4BPO50/N2T	IHT18-S5BPO55/N2T	IHT18-N8BPO55/N2T
PTFE Cable - PNP, NC	IHT12-N4BPC50/N2T	IHT12-S4BPC50/N2T	IHT18-S5BPC55/N2T	IHT18-N8BPC55/N2T
PTFE Cable - NPN, NO	IHT12-N4BNO50/N2T	IHT12-S4BNO50/N2T	IHT18-S5BNO55/N2T	IHT18-N8BNO55/N2T
PTFE Cable - NPN, NC	IHT12-N4BNC50/N2T	IHT12-S4BNC50/N2T	IHT18-S5BNC55/N2T	IHT18-N8BNC55/N2T
Silicone Cable - PNP, NO	IHT12-N4BPO50/N2S	IHT12-S4BPO50/N2S	IHT18-S5BPO55/N2S	IHT18-N8BPO55/N2S
Silicone Cable - PNP, NC	IHT12-N4BPC50/N2S	IHT12-S4BPC50/N2S	IHT18-S5BPC55/N2S	IHT18-N8BPC55/N2S
Silicone Cable - NPN, NO	IHT12-N4BNO50/N2S	IHT12-S4BNO50/N2S	IHT18-S5BNO55/N2S	IHT18-N8BNO55/N2S
Silicone Cable - NPN, NC	IHT12-N4BNC50/N2S	IHT12-S4BNC50/N2S	IHT18-S5BNC55/N2S	IHT18-N8BNC55/N2S

* Only for mechanical setup - LED possibly dies if operated at temperatures beyond 130 °C (266 °F). LED functionality is not covered by warranty !

Inductive Proximity Switches High Temperature



M30x1.5 - 150 °C	M30x1.5 - 150 °C	M18x1 - 180 °C	M18x1 - 180 °C	M30x1.5 - 180 °C	M30x1.5 - 180 °C
10 mm - Shielded	15 mm - Unshielded	5 mm - Shielded	8 mm - Unshielded	10 mm - Shielded	15 mm - Unshielded
Fully Embedded	Fully Embedded	Fully Embedded	Fully Embedded	Fully Embedded	Fully Embedded
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
150 mA	150 mA	120 mA	120 mA	120 mA	120 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
< 2 V @ 150 mA	< 2 V @ 150 mA	< 2 V @ 120 mA	< 2 V @ 120 mA	< 2 V @ 120 mA	< 2 V @ 120 mA
300 Hz	150 Hz	800 Hz	500 Hz	300 Hz	150 Hz
< 3 %	< 3 %	< 3 %	< 3 %	< 3 %	< 3 %
3...15 %	3...15 %	3...15 %	3...15 %	3...15 %	3...15 %
-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C	-25...+150 °C
permanent	permanent	permanent	permanent	permanent	permanent
IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone
On Request	On Request	-	-	-	-
IHT30-S10BPO55/N2T	IHT30-N15BPO55/N2T	IHT18-S5CPO55/N2T	IHT18-N8CPO55/N2T	IHT30-S10CPO55/N2T	IHT30-N15CPO55/N2T
IHT30-S10BPC55/N2T	IHT30-N15BPC55/N2T	IHT18-S5CPC55/N2T	IHT18-N8CPC55/N2T	IHT30-S10CPC55/N2T	IHT30-N15CPC55/N2T
IHT30-S10BNO55/N2T	IHT30-N15BNO55/N2T	IHT18-S5CNO55/N2T	IHT18-N8CNO55/N2T	IHT30-S10CNO55/N2T	IHT30-N15CNO55/N2T
IHT30-S10BNC55/N2T	IHT30-N15BNC55/N2T	IHT18-S5CNC55/N2T	IHT18-N8CNC55/N2T	IHT30-S10CNC55/N2T	IHT30-N15CNC55/N2T
IHT30-S10BPO55/N2S	IHT30-N15BPO55/N2S	IHT18-S5CPO55/N2S	IHT18-N8CPO55/N2S	IHT30-S10CPO55/N2S	IHT30-N15CPO55/N2S
IHT30-S10BPC55/N2S	IHT30-N15BPC55/N2S	IHT18-S5CPC55/N2S	IHT18-N8CPC55/N2S	IHT30-S10CPC55/N2S	IHT30-N15CPC55/N2S
IHT30-S10BNO55/N2S	IHT30-N15BNO55/N2S	IHT18-S5CNO55/N2S	IHT18-N8CNO55/N2S	IHT30-S10CNO55/N2S	IHT30-N15CNO55/N2S
IHT30-S10BNC55/N2S	IHT30-N15BNC55/N2S	IHT18-S5CNC55/N2S	IHT18-N8CNC55/N2S	IHT30-S10CNC55/N2S	IHT30-N15CNC55/N2S