

**M18 18mm Inductive High Temperature
5mm range IP68 - (-25 -- +125C) Programmable**



**M18 18mm Metal Body
Inductive Proximity Sensor
IP68 High Temp (-25--+125C)**

**Programmable
5 mm shielded range**

3 wire 10-30VDC

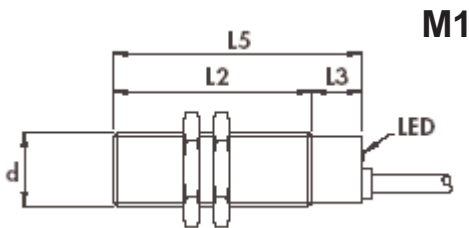
miniaturized body design

2 meter standard integrated cable

IP68 protection degree

protection from electrical damages

NBT housing



L2

M1 (50mm/50mm)

L3

M1 (10mm/10mm)

L5

M1 (60mm/60mm)

shielded/unshielded

Parts Matrix

PARTS INDEX

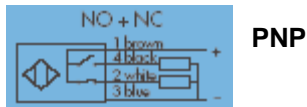
SPECIFICATIONS

inductive sensor series	X
M18 18mm diameter body	18
harsh duty high temperature- standard ranges	H
NBT housing	B
4 wire device	4
PNP output	P
NPN output	N
NO/NC normally open -normally closed	3
shielded	S
2m standard integrated cable	M1
range (mm)	5mm
load current	250mA

X18HB4P3SM1B
X18HB4N3SM1B

PNP NO/NC SHIELDED M1
NPN NO/NC SHIELDED M1

Wiring Diagram



PNP



NPN

TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	5 mm
Operating Distance	-
Differential Travel	10% Typ
Repeat Accuracy R	2%
Operating Voltage U_b	10-30VDC
Ripple U_{pp}	<20% U_b
No-load Supply	20mA
Load Current I_a	<250mA
Leakage Current	<10uA
Voltage Drop U_d	1.2V max.
Output Type	PNP or NPN NO/NC
Switching Frequency	1KHz
Time Delay Before Availability t_v	100ms
Supply Electrical Protections	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)
Ambient Temperature T_a	-25--+125C
Temperature Drift	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP68
Housing Material	NBT
Sensing Face Material	plastic
Weight (approximate)	130g (M1)