

**M18 18mm Inductive Low Temperature
5mm range IP68 - (-45 -- +85C)**



**M18 18mm Metal Body
Inductive Proximity Sensor
IP68 Low Temp (-45--+85C)
5 mm shielded range**

3 wire 10-30VDC

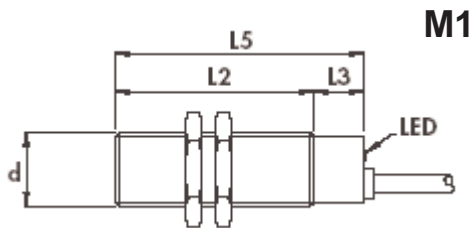
miniaturized body design

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

inductive sensor series	X
M18 18mm diameter body	18
harsh duty low temperature- standard ranges	T
NBT housing	B
3 wire device	3
PNP output	P
NPN output	N
NO normally open	1
NC normally closed	2
shielded	S
2m standard integrated cable	M1
range (mm)	5mm
load current	250mA

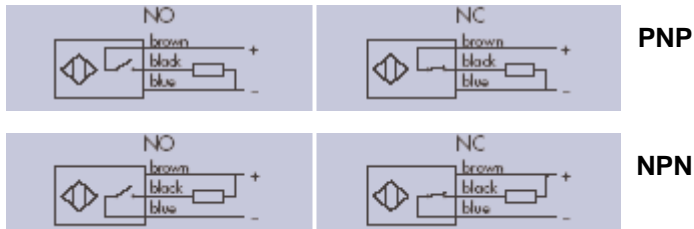
PARTS INDEX

X18TB3P1SM1B
X18TB3P2SM1B
X18TB3N1SM1B
X18TB3N2SM1B

SPECIFICATIONS

PNP NO SHIELED M1
PNP NC SHIELED M1
NPN NO SHIELED M1
NPN NC SHIELED M1

Wiring Diagram



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 or 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	-45--+85C
Temperature Drift	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP68
Housing Material	NBT
Sensing Face Material	plastic
Weight (approximate)	130g (M1)