

M30 30mm Inductive Metal Housing 10mm range Harsh Duty IP68 High Temp



- 1 M1 axial cable
- 4 M1 cable 3x0.055mm, 3.1mm
- 5 LED
- 6 Shielded version

M30 30mm Inductive Proximity Sensor

High Temp -25--+125C
10 mm shielded range

3 wire 10-30VDC

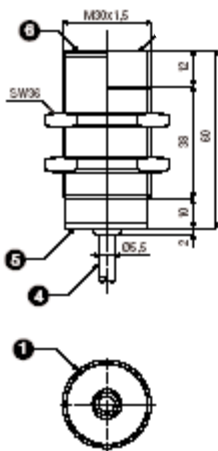
miniaturized body design

2 meter standard integrated cable

IP68 protection degree

protection from electrical damages

NBT nickel plated brass housing



PARTS INDEX

SPECIFICATIONS

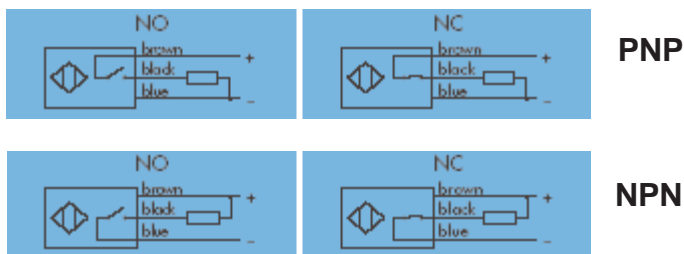
- X30HB3P1SM1B
- X30HB3P2SM1B
- X30HB3N1SM1B
- X30HB3N2SM1B

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

Parts Matrix

inductive sensor series	X
M30 30mm diameter body	30
harsh duty IP68-High Temp-standard ranges	H
nickel plated brass	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)	10mm
load current	250mA

Wiring Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	10 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_a	1.2V max.
Output Type	PNP or NPN NO or NC
Switching Frequency	800Hz
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
LED Indicators	Yellow (NO output energized)
Housing Material	NBT
Sensing Face Material	PBT
Tightening Torque	60Nm
Weight (approximate)	180g (M1)