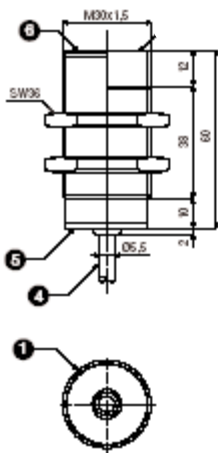


M30 30mm Inductive Metal Housing 10mm range Harsh Duty IP68 Low Temp



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

M30 30mm Inductive Proximity Sensor
Low Temp -40--+85C 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

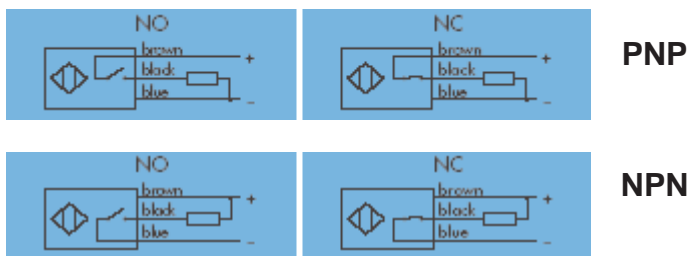
X30TB3P1SM1B
X30TB3P2SM1B
X30TB3N1SM1B
X30TB3N2SM1B

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

Parts Matrix

inductive sensor series	X
M30 30mm diameter body	30
harsh duty IP68-Low Temp-standard ranges	T
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	<10 μ A
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	-40--+85C
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)