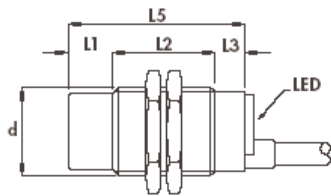


**M30 30mm Inductive Metal Housing
10mm/15mm ranges 2 Wire Programmable**



L1	M1 (0/15mm)
L2	M1 (50/35mm)
L3	M1 (10/10mm)
L5	M1 (60/60mm)



**M30 30mm Metal Body
Inductive Proximity Sensor
4 Function Programmable
10 mm shielded range**

15 mm unshielded range

3 wire 10-30VDC

miniaturized body design

2 meter standard integrated cable

IP67 protection degree

protection from electrical damages

metal housing

PARTS INDEX

SPECIFICATIONS

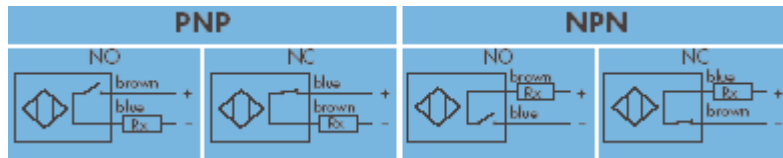
X30DB2DSM1
X30DB2DUM1

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

Parts Matrix

inductive sensor series	X	X
M30 30mm diameter body	30	30
standard diameter-standard ranges	D	D
metal body	B	B
2 wire device	2	2
4 function programmable NPN-PNP-NO-NC	D	D
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
range (mm)	10mm	15mm
load current	400mA	400mA

Wiring Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	10 mm	15 mm
Operating Distance	-	-
Differential Travel	10% Typ	10% Typ
Repeat Accuracy R	2%	2%
Operating Voltage U_b	10-30VDC	10-30VDC
Ripple U_{pp}	<20% U_b	<20% U_b
No-load Supply	20mA	20mA
Load Current I_a	<400mA	<400mA
Leakage Current	<10uA	<10uA
Voltage Drop U_d	1.2V max.	1.2V max.
Output Type	PNP & NPN NO & NC Programmable	PNP or NPN NO or NC Programmable
Switching Frequency	600Hz	300Hz
Time Delay Before Availability t_v	100ms	100ms
Supply Electrical Protections	polarity reversal, transient	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)	short circuit protection (autoreset)
Ambient Temperature T_a	-20--+70C	-20--+70C
Temperature Drift	+/- 10% SR	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP67	IEC IP67
LED Indicators	Yellow (NO output energized)	Yellow (NO output energized)
Housing Material	NBT	NBT
Sensing Face Material	PBT	PBT
Tightening Torque	60Nm	60Nm
Weight (approximate)	180g (M1)	180g (M1)