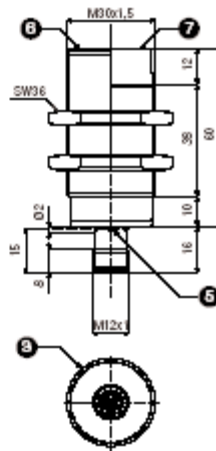
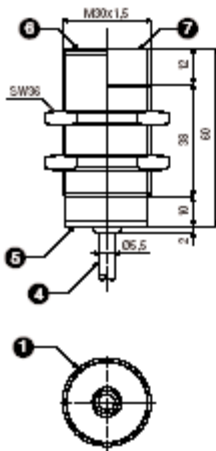


M30 30mm Inductive Metal Housing 10mm/15mm ranges Long Range 2X



- 1 M1 axial cable
- 3 K1 M12 4 pin 12mm connector
- 4 M1 cable 3x0.055mm, 3.1mm diameter, PUR
- 5 K1 M12 4 pin 12mm connector
- 6 Shielded version
- 7 Unshielded version

M30 30mm Inductive Proximity Sensor Long Range 2X 15 mm shielded range
20 mm unshielded range
3 wire 10-30VDC
miniaturized body design
2 meter standard integrated cable
IP67 protection degree
protection from electrical damages
NBT nickel plated brass housing



Parts Matrix

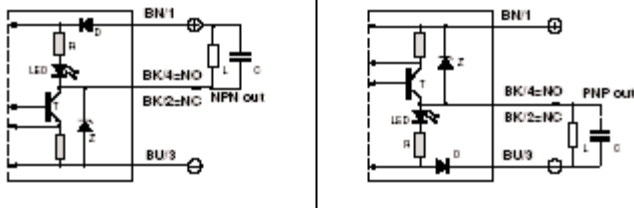
inductive sensor series	X	X
M30 30mm diameter body	30	30
standard diameter-long ranges	L	L
nickel plated brass	B	B
3 wire device	3	3
PNP output	P	P
NPN output	N	N
NO normally open	1	1
NC normally closed	2	2
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
M12 4 Pin 12mm connector	K1	K1
range (mm)	10mm	15mm
load current	400mA	400mA

PARTS INDEX

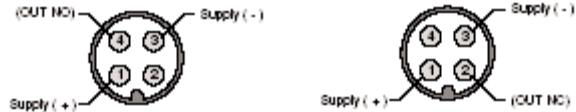
SPECIFICATIONS

X30LB3P1SM1	PNP NO SHIELDED M1
X30LB3P2SM1	PNP NC SHIELED M1
X30LB3N1SM1	NPN NO SHIELDED M1
X30LB3N2SM1	NPN NC SHIELDED M1
X30LB3P1UM1	PNP NO UNSHIELDED M1
X30LB3P2UM1	PNP NC UNSHIELDED M1
X30LB3N1UM1	NPN NO UNSHIELDED M1
X30LB3N2UM1	NPN NC UNSHIELDED M1
X30LB3P1SK1	PNP NO SHIELDED K1
X30LB3P2SK1	PNP NC SHIELED K1
X30LB3N1SK1	NPN NO SHIELDED K1
X30LB3N2SK1	NPN NC SHIELDED K1
X30LB3P1UK1	PNP NO UNSHIELDED K1
X30LB3P2UK1	PNP NC UNSHIELDED K1
X30LB3N1UK1	NPN NO UNSHIELDED K1
X30LB3N2UK1	NPN NC UNSHIELDED K1

Wiring Diagram



K1 Connection Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	15 mm	20 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_a	1.2V max.	1.2V max.
Output Type	PNP or NPN NO or NC	PNP or NPN NO or NC
Switching Frequency	150Hz	150Hz
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)	110g (K1) 180g (M1)	110g (K1) 180g (M1)