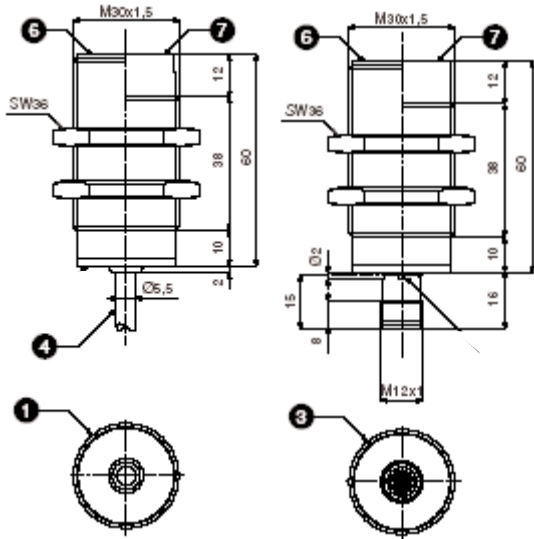


# M30 30mm NAMUR Inductive Sensor 10mm/15mm ranges w/o (LED)



- 1 Cable
- 3 K1 12mm 4 pin connector
- 4 M1 cable 3x0.055mm, 3.1mm
- 6 shielded
- 7 unshielded

M30 30mm Inductive Proximity Sensor NAMUR
10 mm shielded range
15 mm unshielded range
2 wire 5-30VDC
miniaturized body design
2 meter standard integrated cable
IP68 protection degree
protection from electrical damages
NBT nickel plated brass housing

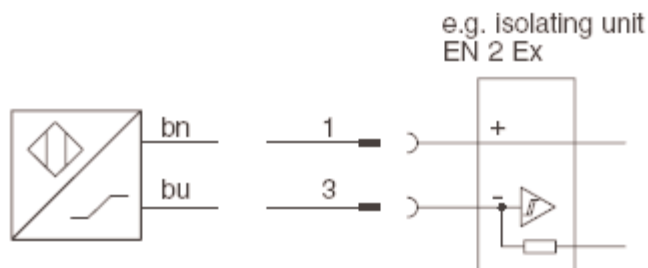


PARTS INDEX	SPECIFICATIONS
X30NB202SM1B	PNP/NPN NC SHIELDED M1
X30NB202UM1B	PNP/NPN NC UNSHIEDLED M1
X30NB202SK1B	PNP/NPN NC SHIELDED K1
X30NB202UK1B	PNP/NPN NC UNSHIEDLED K1

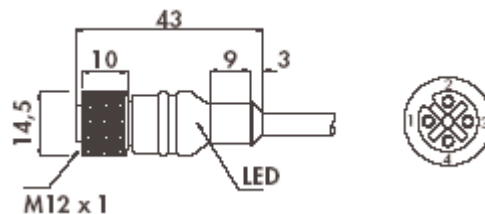
## Parts Matrix

inductive sensor series	X	X
M30 30mm diameter body	30	30
NAMUR harsh duty-standard ranges	N	N
nickel plated brass	B	B
2 wire device 5-30VDC	2	2
PNP/NPN output	O	O
NC normally closed (only)	2	2
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
M12 4 pin connector	K1	K1
range (mm)	10mm	15mm

Wiring Diagram



K1 Connector Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance $S_n$	10mm	15mm
Supply Voltage NAMUR	7.7-9VDC	7.7-9VDC
Operating Voltage $U_b$	5-30VDC	5-30VDC
Ripple $U_{pp}$	<10% $U_b$	<10% $U_b$
Internal Capacitance	<180nF	<180nF
Internal Inductance	<100uH	<100uH
Output Type	NAMUR PNP/NPN NC	NAMUR PNP/NPN NC
Switching Frequency	800Hz	400Hz
Time Delay Before Availability $t_v$	10ms	10ms
Power Consumption attenuated	<1.0mA	<1.0mA
Power Consumption unattenuated	<2.2mA	<2.2mA
Ambient Temperature $T_a$	-25--+75C	-25--+75C
Temperature Drift	+/- 10% SR	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP68	IEC IP68
Housing Material	NBT	NBT
Sensing Face Material	PBT	PBT