

M30 30mm NAMUR Inductive Sensor 10mm/15mm ranges with (LED)



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

M30 30mm
Inductive Proximity Sensor
NAMUR
10 mm shielded range

15 mm unshielded range

2 wire 5-30VDC

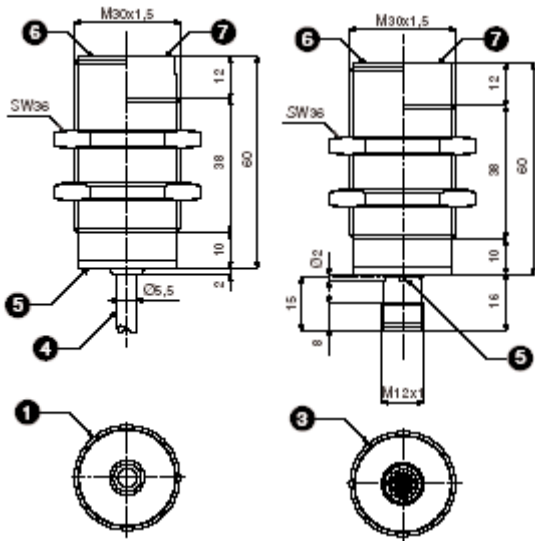
miniaturized body design

2 meter standard integrated cable

IP68 protection degree

protection from electrical damages

NBT nickel plated brass housing

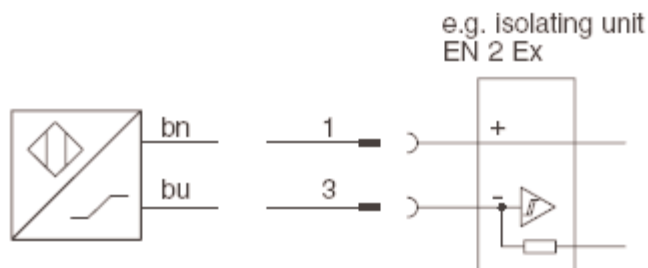


PARTS INDEX	SPECIFICATIONS
X30NB2O2SM1BL	PNP/NPN NC SHIELDED M1
X30NB2O2UM1BL	PNP/NPN NC UNSHIEDLED M1
X30NB2O2SK1BL	PNP/NPN NC SHIELDED K1
X30NB2O2UK1BL	PNP/NPN NC UNSHIEDLED K1

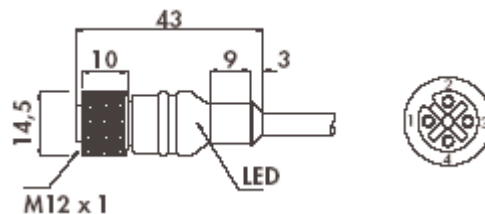
Parts Matrix

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
L (led)	BL	BL
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