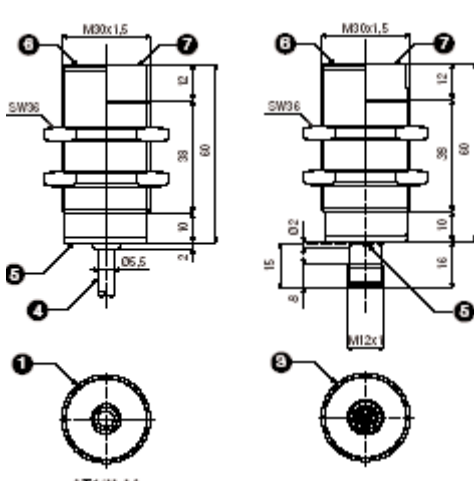


# M30 30mm Inductive Metal Housing Universal 10mm/15mm ranges AC/DC



<b>M30 30mm</b> Inductive Proximity Sensor Universal AC/DC 10 mm shielded range
15 mm unshielded range
2 wire 20-240VAC/DC miniaturized body design
2 meter standard integrated cable
IP67 protection degree
protection from electrical damages
NBT nickel plated brass housing



- 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

### Parts Matrix

inductive sensor series	X	X
M30 30mm diameter body	30	30
universal -standard diameter-standard ranges	U	U
nickel plated brass	B	B
2 wire device	2	2
universal AC/DC 20-253 VAC/DC	U	U
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

### PARTS INDEX

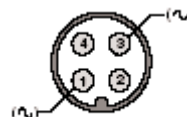
### SPECIFICATIONS

X30UB2U1SM1	NO SHIELDED M1
X30UB2U2SM1	NC SHIEDLED M1
X30UB2U1UM1	NO UNSHIELDED M1
X30UB2U2UM1	NC UNSHIELDED M1
X30UB2U1SK1	NO SHIELDED K1
X30UB2U2SK1	NC SHIEDLED K1
X30UB2U1UK1	NO UNSHIELDED K1
X30UB2U2UK1	NC UNSHIELDED K1

## Wiring Diagram



## K1 Connection 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 $U_b$	20-240VAC/DC	20-240VAC/DC
Ripple $U_{pp}$	<20% $U_b$	<20% $U_b$
Minimum Operational Current	5mA	5mA
Load Current $I_a$	<200mA	<200mA
Leakage Current	<10uA	<10uA
Voltage Drop $U_d$	<5V	<5V
Output Type	NO or NC	NO or NC
Switching Frequency	25Hz(AC)/400Hz(DC)	25Hz(AC)/200Hz(DC)
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 $T_a$	-25--+70C	-25--+75C
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	-	-
Weight (approximate)	110g-180g (M1)(K1)	110g-180g (M1)(K1)