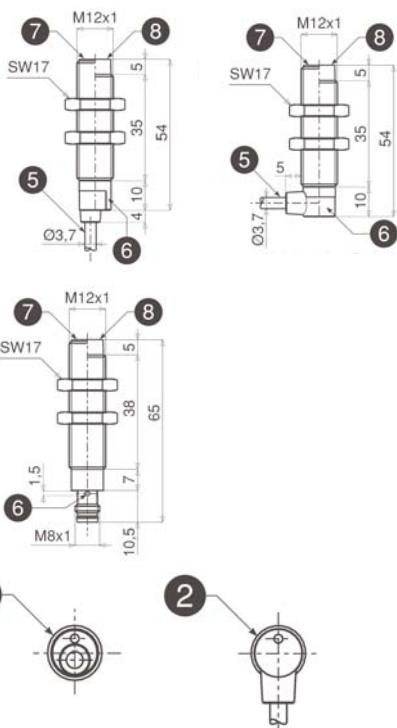


M12 12mm Programmable Inductive 4 Wire 2mm/4mm ranges



M12 12mm Programmable Inductive Proximity Sensor
2 mm shielded range
4 mm unshielded range
4 wire 10-30VDC
miniaturized body design
2 meter standard integrated cable
IP67 protection degree
protection from electrical damages
NBT nickel plated brass housing



- 1 M1 axial cable
- 2 A1 90 degree cable
- 4 K1 M12 4 pin 12mm
- 5 M1 cable 3x0.055mm, 3.1mm diameter, PUR, 2m
- 6 LED status indicator (NO output energized)
- 7 Shielded version
- 8 Unshielded version

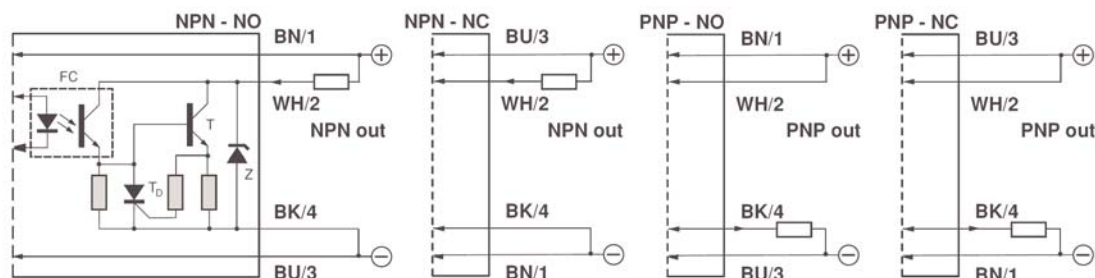
PARTS INDEX	SPECIFICATIONS
X12DB403SM1	Programmable SHIELDED M1
X12DB403UM1	Programmable UNSHIELDED M1
X12DB403SA1	Programmable SHIELDED A1
X12DB403UA1	Programmable UNSHIELDED A1
X12DB403SK1	Programmable SHIELDED K1
X12DB403UK1	Programmable UNSHIELDED K1

Parts Matrix

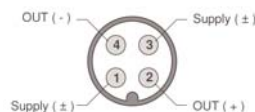
inductive sensor series	X	X
M12 12mm diameter body	12	12
standard diameter-standard ranges	D	D
nickel plated brass	B	B
4 wire device	4	4
Programmable Output PNP/NPN	O	O
Programmable NO/NC	3	3
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
2m 90 degree integrated cable	A1	A1
M12 4 Pin 12mm connector	K1	K1
range (mm)	2mm	4mm
load current	100mA	100mA

Wiring Diagram

K1 Connection Diagram



TECHNICAL SPECIFICATIONS



Nominal Sensing Distance Sn	2 mm	4 mm
Operating Distance	-	-
Differential Travel	10% Typ	10% Typ
Repeat Accuracy R	2%	2%
Operating Voltage Ub	10-30VDC	10-30VDC
Ripple Upp	<20% Ub	<20% Ub
No-load Supply	20mA	20mA
Load Current Ia	<100mA	<100mA
Leakage Current	<10uA	<10uA
Voltage Drop Ud	1.2V max.	1.2V max.
Output Type	PNP + NPN NO + NC Programmable	PNP + NPN NO + NC Programmable
Switching Frequency	1KHz	1KHz
Time Delay Before Availability tv	100ms	100ms
Supply Electrical Protections	polarity reversal, transient	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)	short circuit protection (autoreset)
Ambient Temperature Ta	-20--+70C	-20--+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)	30-70G (M1)(K1)(A1)	30-70G (M1)(K1)(A1)