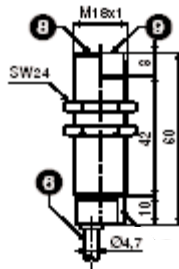


M18 18mm NAMUR Inductive Sensor 5mm/8mm ranges w/o (LED)



- 6 Cable
- 8 shielded
- 9 unshielded

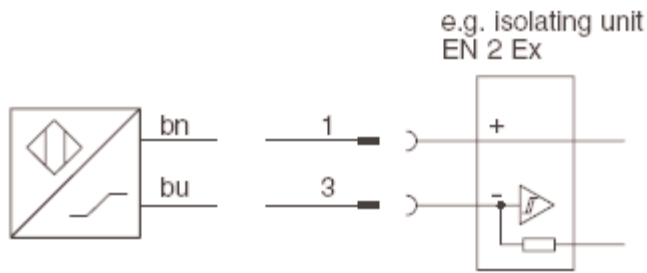
M18 18mm Inductive Proximity Sensor NAMUR Plastic Body 5 mm shielded range 8 mm unshielded range
2 wire 5-30VDC miniaturized body design
2 meter standard integrated cable
IP68 protection degree
protection from electrical damages
plastic body housing

PARTS INDEX	SPECIFICATIONS
X18NP2O2SM1B	PNP/NPN NC SHIELDED M1
X18NP2O2UM1B	PNP/NPN NC UNSHIEDLED M1

Parts Matrix

inductive sensor series	X	X
M18 18mm diameter body	18	18
NAMUR harsh duty-standard ranges	N	N
plastic	P	P
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
range (mm)	5mm	8mm

Wiring Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	5mm	8mm
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	1KHz	500Hz
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	plastic	plastic
Sensing Face Material	PBT	PBT
Tightening Torque	2Nm	2Nm