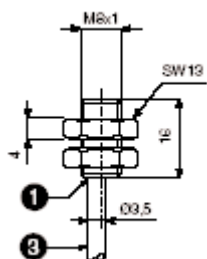


# M8 8mm Short Body Inductive Plastic Housing 1.5mm range



M8 8mm  
Short Bodied  
Miniature Inductive Proximity Sensor

1.5 mm shielded range

3 wire 10-30VDC

miniaturized body design

2 meter standard integrated cable

IP67 protection degree

protection from electrical damages

PBT plastic housing

**1** LED status indicator (NO output energized)

**3** M1 axial cable

## Parts Matrix

inductive sensor series	X
M8 8mm diameter body	08
short body standard ranges	S
plastic PBT	P
3 wire device	3
PNP output	P
NPN output	N
NO normally open	1
NC normally closed	2
shielded	S
2m standard integrated cable	M1
range (mm)	1.5mm
load current	200mA

## PARTS INDEX

## SPECIFICATIONS

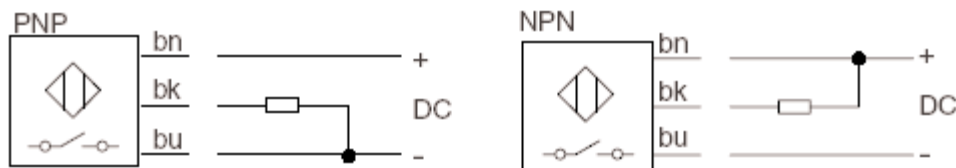
X08SP3P1SM1  
X08SP3P2SM1  
X08SP3N1SM1  
X08SP3N2SM1

PNP NO SHIELDED M1  
PNP NC SHIEDLED M1  
NPN NO SHIELDED M1  
NPN NC SHIELDED M1

X08SP3P1SE1  
X08SP3P2SE1  
X08SP3N1SE1  
X08SP3N2SE1

PNP NO SHIELDED E1  
PNP NC SHIEDLED E1  
NPN NO SHIELDED E1  
NPN NC SHIELDED E1

## Wiring Diagram



## TECHNICAL SPECIFICATIONS

Nominal Sensing Distance $S_n$	1.5 mm
Operating Distance	-
Differential Travel	10% Typ
Repeat Accuracy R	2%
Operating Voltage $U_b$	10-30VDC
Ripple $U_{pp}$	<20% $U_b$
No-load Supply	20mA
Load Current $I_a$	<200mA
Leakage Current	<10uA
Voltage Drop $U_d$	1.2V max.
Output Type	PNP or NPN NO or NC
Switching Frequency	2KHz
Time Delay Before Availability $t_v$	10ms
Supply Electrical Protections	polarity reversal, transient
Output Electrical Protections	short circuit protection (autore-
Ambient Temperature $T_a$	-25--+70C
Temperature Drift	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP67
LED Indicators	Yellow (NO output energized)
Housing Material	NBT
Sensing Face Material	PBT
Tightening Torque	-
Weight (approximate)	45g (M1) 18g (E1)