

M8 8mm Short Body Long Distance 2mm/4mm range Stainless Steel



**M8 8mm
Short Bodied Long Range
Miniature Inductive Proximity Sensor**

**2 mm shielded range
4 mm unshielded range**

3 wire 10-30VDC

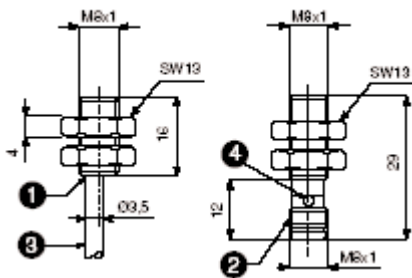
miniaturized body design

2 meter standard integrated cable

IP67 protection degree

protection from electrical damages

stainless steel housing

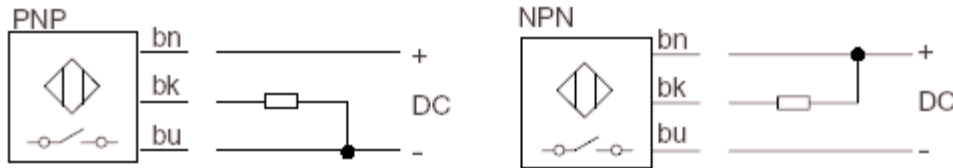


- 1** M1 axial cable
- 2** E1 M8 3 pin 8mm
- 3** M1 cable 3x0.055mm, 3.1mm diameter, PUR, 2m
- 4** LED status indicator (NO output energized)

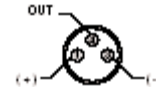
Parts Matrix

	X	X	PARTS INDEX	SPECIFICATIONS
inductive sensor series	X	X		
M8 8mm diameter body	08	08		
short body long ranges	C	C	X08CS3P1SM1	PNP NO SHIELDED M1
stainless steel	S	S	X08CS3P2SM1	PNP NC SHIEDLED M1
3 wire device	3	3	X08CS3N1SM1	NPN NO SHIELDED M1
PNP output	P	P	X08CS3N2SM1	NPN NC SHIELDED M1
NPN output	N	N	X08CS3P1UM1	PNP NO UNSHIELDED M1
NO normally open	1	1	X08CS3P2UM1	PNP NC UNSHIEDLED M1
NC normally closed	2	2	X08CS3N1UM1	NPN NO UNSHIELDED M1
shielded	S		X08CS3N2UM1	NPN NC UNSHIELDED M1
unshielded		U	X08CS3P1SE1	PNP NO SHIELDED E1
2m standard integrated cable	M1	M1	X08CS3P2SE1	PNP NC SHIEDLED E1
M8 3 Pin 8mm connector	E1	E1	X08CS3N1SE1	NPN NO SHIELDED E1
range (mm)	2mm	4mm	X08CS3N2SE1	NPN NC SHIELDED E1
load current	200mA	200mA	X08CS3P1UE1	PNP NO UNSHIELDED E1
			X08CS3P2UE1	PNP NC UNSHIEDLED E1
			X08CS3N1UE1	NPN NO UNSHIELDED E1
			X08CS3N2UE1	NPN NC UNSHIELDED E1

Wiring Diagram



E1 Connection Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	2 mm	4 mm
Operating Distance	-	-
Differential Travel	10% Typ	10% Typ
Repeat Accuracy R	2%	2%
Operating Voltage U_b	10-30VDC	10-30VDC
Ripple U_{pp}	<20% U_b	<20% U_b
No-load Supply	20mA	20mA
Load Current I_a	<200mA	<200mA
Leakage Current	<10uA	<10uA
Voltage Drop U_d	1.2V max.	1.2V max.
Output Type	PNP or NPN NO or NC	PNP or NPN NO or NC
Switching Frequency	3KHz	3KHz
Time Delay Before Availability t_v	5ms	5ms
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--+70C
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	stainless steel	stainless steel
Sensing Face Material	PBT	PBT
Tightening Torque	-	-
Weight (approximate)	43g (M1) 16g (E1)	43g (M1) 16g (E1)