

M8 8mm 20-240 VAC Inductive Sensor 1.5mm/2.5mm ranges Plastic Body



M8 8mm
AC Inductive 20-240VAC
Inductive Proximity Sensor

1.5 mm shielded range

2.5 mm unshielded range

2 wire 20-240VAC

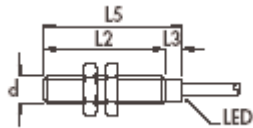
miniaturized body design

2 meter standard integrated cable

IP67 protection degree

protection from electrical damages

plastic housing



L2

L2 (40/40mm)

L3

L3 (7/7mm)

L5

L5 (47/47mm)
shielded/unshielded

Parts Matrix

inductive sensor series	X	X
M8 8mm diameter body	08	08
standard diameter-standard ranges	D	D
plastic housing	P	P
2 wire device	2	2
AC	A	A
NO normally open	1	1
NC normally closed	2	2
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
range (mm)	1.5mm	2.5mm
load current	100mA	100mA

PARTS INDEX

SPECIFICATIONS

X08DP2A1SM1B	NO SHIELDED M1
X08DP2A1UM1B	NC UNSHIELDED M1
X08DP2A2SM1B	NO SHIELDED M1
X08DP2A2UM1B	NC UNSHIELDED M1

Wiring Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	1.5 mm	2.5 mm
Operating Distance	-	-
Differential Travel	10% Typ	10% Typ
Repeat Accuracy R	5%	5%
Operating Voltage U_b	20-253VAC	20-253VAC
Ripple U_{pp}	<20% U_b	<20% U_b
In Rush	7A	7A
Load Current I_a	<100mA	<100mA
Leakage Current	<10uA	<10uA
Voltage Drop U_d	1.2V max.	1.2V max.
Output Type	NO or NC	NO or NC
Switching Frequency	25KHz	25KHz
Time Delay Before Availability t_v	200ms	200ms
Supply Electrical Protections	polarity reversal, transient	polarity reversal, transient
Output Electrical Protections	short circuit protection (autoreset)	short circuit protection (autoreset)
Ambient Temperature T_a	-20--+70C	-20--+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	Plastic	Plastic
Sensing Face Material	PBT	PBT
Tightening Torque	-	-