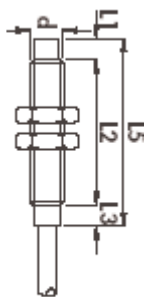


M8 8mm Low Temperature Miniature Inductive 1.5mm range (-45 -- +85C)



M1

- L2** L2 (40mm)
- L3** L3 (5mm)
- L5** L5 (45mm)

M8 8mm
Low Temperature
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

stainless steel housing

Parts Matrix

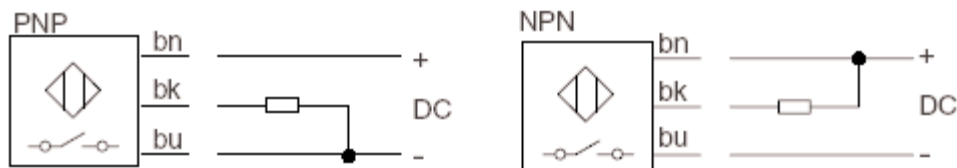
inductive sensor series	X
M8 8mm diameter body	08
low temperature -standard ranges	T
stainless steel	S
3 wire device	3
PNP output	P
NPN output	N
NO normally open	1
NC normally closed	2
shielded	S
2m standard integrated cable	M1
range (mm)	1.5mm
load current	150mA

Part Number

Specifications

X08TS3P1SM1	PNP NO SHIELDED M1
X08TS3P2SM1	PNP NC SHIELDED M1
X08TS3N1SM1	NPN NO SHIELDED M1
X08TS3N2SM1	NPN NC SHIELDED M1

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	10mA
Load Current I_a	<150mA
Leakage Current	<10uA
Voltage Drop U_d	2V max. $I_l=200mA$
Output Type	PNP or NPN NO or NC
Switching Frequency	4KHz
Time Delay Before Availability t_v	10ms
Supply Electrical Protections	polarity reversal, transient
Output Electrical Protections	short circuit protection (autore-
Ambient Temperature T_a	-45--+85C
Temperature Drift	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP67
LED Indicators	Yellow (NO output energized)
Housing Material	stainless steel
Sensing Face Material	PBT
Tightening Torque	-
Weight (approximate)	48g (M1)