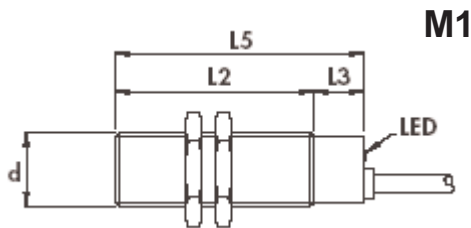


M18 18mm Inductive Plastic Body 5mm/8mm ranges Harsh Duty IP68



M18 18mm Plastic Body Inductive Proximity Sensor Harsh Duty IP68 5 mm shielded range
8 mm unshielded range
3 wire 10-30VDC
miniaturized body design
2 meter standard integrated cable
IP68 protection degree
protection from electrical damages
plastic housing



M1



L2

M1 (50mm/50mm)

L3

M1 (10mm/10mm)

L5

M1 (60mm/60mm)

shielded/unshielded

Parts Matrix

inductive sensor series	X	X
M12 12mm diameter body	18	18
harsh duty standard diameter- standard ranges	P	P
plastic housing	P	P
3 wire device	3	3
PNP output	P	P
NPN output	N	N
NO normally open	1	1
NC normally closed	2	2
shielded	S	
unshielded		U
2m standard integrated cable	M1	M1
range (mm)	5mm	8mm
load current	400mA	400mA

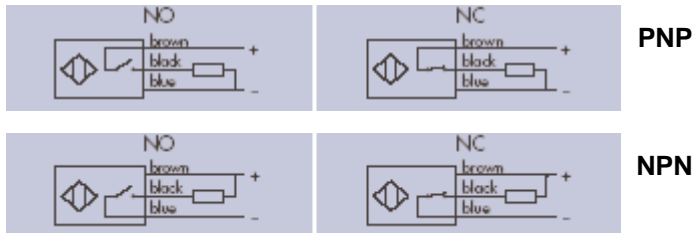
PARTS INDEX

- X18PP3P1SM1B
- X18PP3P2SM1B
- X18PP3N1SM1B
- X18PP3N2SM1B
- X18PP3P1UM1B
- X18PP3P2UM1B
- X18PP3N1UM1B
- X18PP3N2UM1B

SPECIFICATIONS

- PNP NO SHIELDED M1
- PNP NC SHIEDLED M1
- NPN NO SHIELDED M1
- NPN NC SHIELDED M1
- PNP NO UNSHIELDED M1
- PNP NC UNSHIELDED M1
- NPN NO UNSHIELDED M1
- NPN NC UNSHIELDED M1

Wiring Diagram



TECHNICAL SPECIFICATIONS

Nominal Sensing Distance S_n	5 mm	8 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	<400mA	<400mA
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	1KHz	1KHz
Time Delay Before Availability t_v	100ms	100ms
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--+75C
Temperature Drift	+/- 10% SR	+/- 10% SR
Protection Degree (DIN 40 050)	IEC IP68	IEC IP68
Housing Material	plastic	plastic
Sensing Face Material	plastic	plastic
Weight (approximate)	90g (M1)	90g (M1)