

Miniature Inductive 3-wire DC Proximity Switch IL1

IMO

- Ultra compact rectangular strong plastic housing
- Shield or unshielded models
- IP67 Protection degree
- Short circuit protection
- LED status indicator
- Nominal sensing distance: Shielded 3mm
Unshielded 6mm

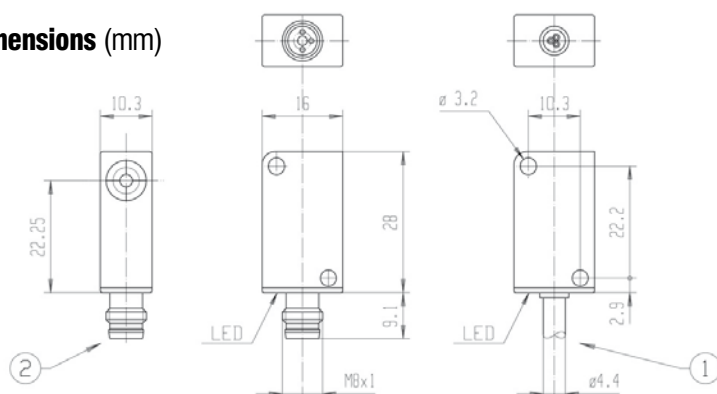


Options and ordering codes

IL1 / AN - 3A

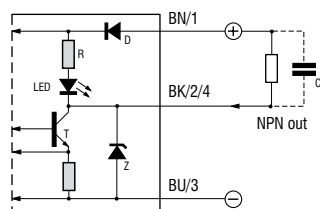
Normally open output	A	3	Shielded
Normally closed output	C	4	Unshielded
PNP logic output	P	A	Standard cable exit ¹
NPN logic output	N	F	M8 plug connector ²

Dimensions (mm)

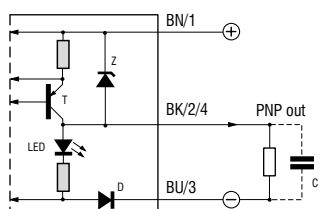


Wiring diagrams

NPN output

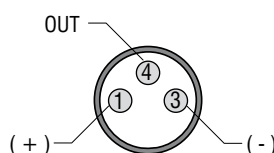


PNP output



- 1 Axial cable exit 3 x 0.25mm² PVC 2m
2 Protection guaranteed with plug cable connected
3 Sensing range determined using a 24 x 24mm
FE360 steel plate

Connector M8



Specifications

Model	IL1
Differential travel	1 to 20%
Repeatability	5%
Supply voltage	10-30 VDC
Ripple	10% maximum
Maximum consumption	10mA
Switching frequency	3KHz
Output type	NPN or PNP
Output state	NO or NC
Load current	300mA
Residual output voltage	1.5V max. IL=300mA
Leakage current	<120μA
Time before switch operation	100ms
Short circuit protection	Auto-reset
Polarity reversal protection	yes
Inductive loads protection	yes
LED status indicator	yes (at the rear)
Protection degree	IP67
Temperature range	-25 to +70°C
Temperature drift	10% Sr
Housing material	PA
Weight (approx.)	30g plug, 70g cable

Characteristics curves

