

1.1

SERIE	PB
Miniature inductive proximity M4 - DC	
<ul style="list-style-type: none"> ◆ Extremely reduced dimensions (M4x22mm) ◆ Metal housing ◆ Axial cable exit ◆ LED status indicator ◆ IP67 protection degree ◆ Complete protection against electrical damages 	

DIMENSIONAL DRAWING
PB1/**-1A
Key
<ul style="list-style-type: none"> 1 Cable 3x0,055mm², Ø2,6mm, PUR, 2m 2 LED status indicator (NO output energized)

CHARACTERISTIC CURVES
Detection area
Distance / target size



ORDERING SYSTEM							
P B 1 / A N - 1 A							
serie							
miniature inductive proximity sensors	PB1						cable exit axial cable exit
output state							sensing range
NO output state	A						standard shielded 0,6mm
NC output state	C						logic
							NPN output
							PNP output

SPECIFICATIONS	
Model	PB1/**-1A
Nominal sensing distance Sn ⁽¹⁾	0,6mm
Operating distance	0...0,48mm (shielded)
Differential travel	10% Typ
Repeat accuracy	2%
Operating voltage	10-30Vdc
Ripple	≤ 20%
No-load supply current	10mA
Load current	≤100mA
Leakage current	≤10µA
Voltage drop	0,6V max. I _L =50mA
Output type	NPN o PNP NO o NC
Switching frequency	2KHz
Time delay before availability	10ms
Supply electrical protections	polarity reversal, transient
Output electrical protections	short circuit (autotest)
Temperature range	-25°...+70°C
Temperature drift	10% Sr
Protection degree (DIN 40 050)	IEC IP67
LED indicators	Yellow (NO output energized)
Housing material	nickel-plated brass
Sensing face material	PBT
Tightening torque	0,8Nm
Weight (approx.)	23g

(1) with 4x4mm FE360 target.

WIRING DIAGRAMS
NPN output
PNP output

The max. admissible capacity C = 10nF for max. output voltage and current.