



SERIE	PA	DIMENSIONAL DRAWING	CHARACTERISTIC CURVES
<p>Miniature inductive proximity sensors Ø3mm - DC</p> <ul style="list-style-type: none"> ◆ Extremely reduced dimensions (Ø3x22mm) ◆ Metal housing in stainless steel ◆ Axial cable exit ◆ LED status indicator ◆ IP67 protection degree ◆ Complete protection against electrical damages 		<p>PA1/**-1A</p> <p>Key</p> <ul style="list-style-type: none"> 1 Cable 3x0,055mm², Ø2,6mm, PUR, 2m 2 LED status indicator (NO output energized) 	<p>Detection area</p> <p>Distance / target size</p>



ORDERING SYSTEM		
PA1 / AN - 1 A		
serie		
miniature inductive proximity sensors	PA1	cable exit axial cable exit
output state		sensing range standard shielded 0,6mm
NO output state	A	logic NPN output
NC output state	C	PNP output

SPECIFICATIONS	
Model	PA1/**-1A
Nominal sensing distance S_n ⁽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 or PNP NO or NC
Switching frequency	2KHz
Time delay before availability	10ms
Supply electrical protections	polarity reversal, transient
Output electrical protections	short circuit (autoreset)
Temperature range	-25°...+70°C
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 (approx.)	23g

(1) with 3x3mm FE360 target.

WIRING DIAGRAMS
<p>NPN output</p>
<p>PNP output</p>
<p>The max. admissible capacity $C = 10nF$ for max. output voltage and current.</p>