

SERIE	PC
Miniature inductive proximity sensors Ø4mm - DC	
<ul style="list-style-type: none"> ◆ Extremely reduced dimensions ◆ Metal housing in stainless steel ◆ Axial cable exit and miniature M8 plug cable exit ◆ LED status indicator ◆ IP67 protection degree ◆ Complete protection against electrical damages 	

DIMENSIONAL DRAWING	
<p>PC1/**-1A</p>	<p>PC1/**-1F</p>
Key	
<ul style="list-style-type: none"> 1 Axial cable exit 2 M8 miniature plug cable exit 3 Cable 3x0,14mm², Ø3,5mm, PVC, 2m 4 LED status indicator (NO output energized) <p>Connectors CD serie</p>	

CHARACTERISTIC CURVES	
Detection area	
PC1/**-1*	
Distance / target size	
PC1/**-1*	



ORDERING SYSTEM									
PC1 / AN - 1 A									
serie miniature inductive proximity sensors output state NO output state NC output state	<table border="0"> <tr> <td style="border: 1px solid black; padding: 2px;">PC1</td> <td style="border: 1px solid black; padding: 2px;">A</td> <td style="border: 1px solid black; padding: 2px;">1</td> <td style="border: 1px solid black; padding: 2px;">N</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">F</td> <td style="border: 1px solid black; padding: 2px;">C</td> <td style="border: 1px solid black; padding: 2px;">N</td> <td style="border: 1px solid black; padding: 2px;">P</td> </tr> </table>	PC1	A	1	N	F	C	N	P
PC1	A	1	N						
F	C	N	P						
	cable exit axial cable exit M8 miniature plug cable exit sensing range standard shielded 0,8mm logic NPN output PNP output								

SPECIFICATIONS		
Model	PC1/**-1A	PC1/**-1F
Nominal sensing distance S_n ⁽¹⁾	0,8mm	
Operating distance	0...0,65mm (shielded)	
Differential travel	10% Typ	
Repeat accuracy	1,5%	
Operating voltage	10-30Vdc	
Ripple	≤ 20%	
No-load supply current	10mA	
Load current	≤ 200mA	
Leakage current	≤ 10µA	
Voltage drop	2V max. $I_L=200mA$	
Output type	NPN or PNP NO or NC	
Switching frequency	5KHz	
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.)	37g	9g

(1) with 4x4mm FE360 target.

WIRING DIAGRAMS	
NPN output	
PNP output	
The max. admissible capacity $C = 200nF$ for max. output voltage and current.	

CONNECTORS	
M8 (F type)	