

1.1

SERIE	PH
Miniature inductive proximity sensors Ø6,5 - DC Short version	
<ul style="list-style-type: none"> ◆ 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>PH6/**-1A</p>	<p>PH6/**-1F</p>
Key	
1	Axial cable exit
2	M8 miniature plug cable exit
3	Cable 3x0,14mm ² , Ø3,5mm, PVC, 2m
4	LED (NO output energized) - Ring LED for type F
Connectors CD serie	

CHARACTERISTIC CURVES	
Detection area	
PH6/**-1*	
Distance / target size	
PH6/**-1*	

ORDERING SYSTEM	
P H 6 / A N - 1 A	
serie	PH6
miniature inductive proximity sensors	A
output state	F
NO output state	1
NC output state	N
	P
	A
	F
	1
	N
	P

cable exit
 axial cable exit
 M8 miniature plug cable exit
 sensing range
 standard shielded 1,5mm
 logic
 NPN output
 PNP output

SPECIFICATIONS		
Model	PH6/**-1A	PH6/**-1F
Nominal sensing distance Sn ⁽¹⁾	1,5mm	
Operating distance	0...1,2mm (shielded)	
Differential travel	10% Typ	
Repeat accuracy	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	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	Red (NO output energized)	
Housing material	stainless steel	
Sensing face material	PBT	
Tightening torque	-	
Weight (approx.)	42g	12g

(1) with 6,5x6,5 mm FE360 target.

WIRING DIAGRAMS	
NPN output	
PNP output	
The max. admissible capacity C = 100nF for max. output voltage and current.	

CONNECTORS	
M8 (F type)	