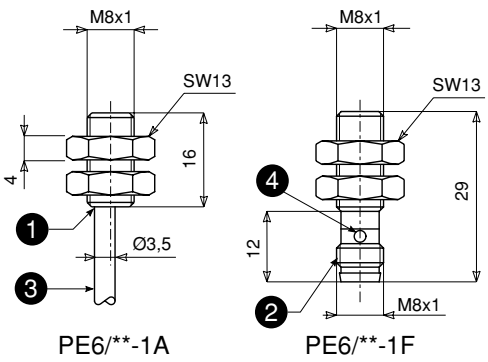
SERIE PE

Miniature inductive proximity sensors
M8 - DC
Short version

- **Metal housing**
- **Axial cable exit and miniature M8 plug cable exit**
- **LED status indicator**
- **IP67 protection degree**
- **Complete protection against electrical damages**

DIMENSIONAL DRAWING



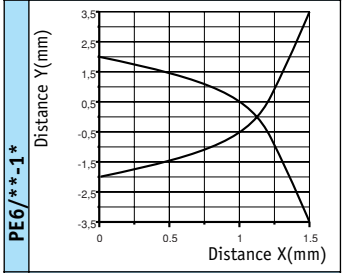
Key

1	Axial cable exit
2	M8 miniature plug cable exit
3	Cable 3x0,14mm², Ø3,5mm, PVC, 2m
4	LED (NO output energized) - Ring LED for type F

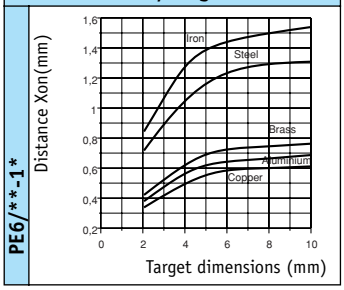
Connectors **CD** serie

CHARACTERISTIC CURVES

Detection area



Distance / target size



ORDERING SYSTEM

P E 6 / A N - 1 A

serie
miniature inductive proximity sensors — **PE6**

output state
NO output state — **A**
NC output state — **C**

cable exit
A axial cable exit
F M8 miniature plug cable exit

sensing range
1 standard shielded 1,5mm

logic
N NPN output
P PNP output

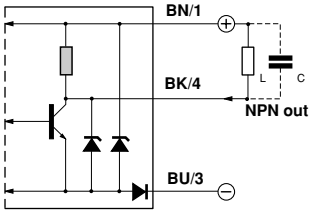
SPECIFICATIONS

Model	PE6/**-1A	PE6/**-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	Yellow (NO output energized)	
Housing material	nickel-plated brass	
Sensing face material	PBT	
Tightening torque	4Nm	
Weight (approx.)	45g	18g

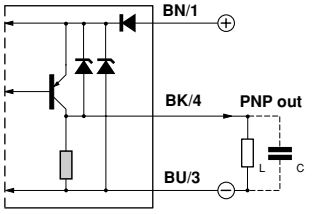
(1) with 8x8mm FE360 target.

WIRING DIAGRAMS

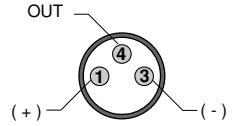
NPN output



PNP output*



The max. admissible capacity C = 100nF for max. output voltage and current.

CONNECTORS

M8 (F type)