

**Overview**

- Rectangular miniature sensor for tight spaces
- Lowest serial dispersion due to end-of-line calibration
- Robust even in demanding environments
- Temperature and long-term stable switching behavior
- PUR cable with high chemical resistance



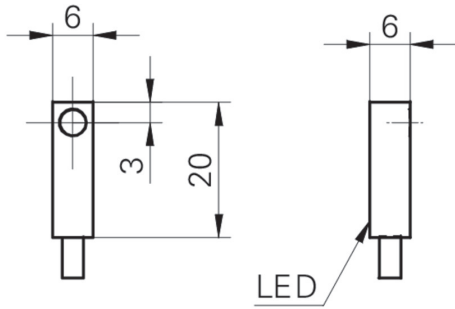
Picture similar



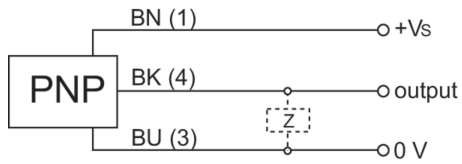
**Technical data**

General data		Mechanical data	
Mounting type	Flush	Housing material	Brass nickel plated
Nominal sensing distance Sn	1 mm	Dimension	6 mm
Assured sensing distance Sa	≤ 81 % of Sn	Housing length	20 mm
Real sensing distance Sr	± 10 % von Sn	Connection types	Cable, L=2 m
Temperature drift	± 10 % of Sr	Weight	19 g
Hysteresis	2 ... 20 % of Sr	<b>Ambient conditions</b>	
Output indicator	LED red	Operating temperature	-25 ... +75 °C
Correction factor typ.	Mild steel 100 %, stainless steel 80 %, aluminum 60 %, copper 55 %	Storage temperature	-25 ... +75 °C
Reference object	Fe360 6 x 6 x 1 mm	Protection class	IP 67
<b>Electrical data</b>		Vibration resistance	IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis
Switching frequency	5 kHz	Shock resistance	IEC 60068-2-27:2009 100 g / 6 ms, 10 jolts per axis and direction
Voltage supply range +Vs	6 ... 30 VDC	<b>Safe maximum values</b>	
Current consumption max. (no load)	12 mA	MTTF	1388 years
Output circuit	PNP make function (NO)	Diagnostic coverage (DC)	0 %
Voltage drop Vd	<2 VDC	<b>Cable</b>	
Output current	200 mA	Cable length	200 cm
Short circuit protection	Yes	Shielded	No
Reverse polarity protection	Yes	External sheath: Material	PUR
<b>Mechanical data</b>		Cable diameter	2.8 mm
Design	Rectangular	Wire cross section	0.095 mm <sup>2</sup>
Material (sensing face)	LCP	Insulation: Material	PP
		Bending radius (fixed)	5 × outer diameter
		Bending radius (mobile)	10 × outer diameter

**Dimension drawing**



**Connection diagram**



**Response diagram**

