

**Overview**

- Cylindrical standard housing for versatile use
- Factor 1 - Same high distances on any metal
- Lowest serial dispersion due to end-of-line calibration
- Robust even in demanding environments
- Temperature and long-term stable switching behavior



Picture similar



**Technical data**

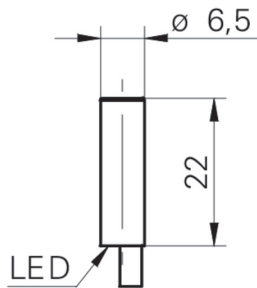
General data		Mechanical data	
Mounting type	Flush	Housing material	Stainless steel (V2A)
Special type	Factor 1	Dimension	6.5 mm
Nominal sensing distance Sn	2 mm	Housing length	40 mm
Assured sensing distance Sa	≤ 81 % of Sn	Connection types	Cable, L=2 m
Real sensing distance Sr	± 10 % von Sn	Weight	31 g
Hysteresis	3 ... 20 % of Sr	Ambient conditions	
Output indicator	LED red	Operating temperature	-25 ... +75 °C
Correction factor typ.	Mild steel 100 %, stainless steel 100 %, aluminum 100 %, copper 100 %	Storage temperature	-25 ... +75 °C
Reference object	Fe360 6 x 6 x 1 mm	Protection class	IP 67
Electrical data		Vibration resistance	IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis
Switching frequency	3 kHz	Shock resistance	IEC 60068-2-27:2009 100 g / 6 ms, 10 jolts per axis and direction
Voltage supply range +Vs	5 ... 36 VDC	Safe maximum values	
Current consumption max. (no load)	12 mA	MTTF	775 years
Output circuit	PNP make function (NO)	Diagnostic coverage (DC)	0 %
Voltage drop Vd	<2 VDC	Cable	
Output current	200 mA	Cable length	200 cm
Short circuit protection	Yes	Shielded	No
Reverse polarity protection	Yes	External sheath: Material	PVC
Mechanical data		Cable diameter	3.0 mm
Design	Cylindrical smooth	Wire cross section	0.14 mm <sup>2</sup>
Material (sensing face)	PBT	Insulation: Material	PVC
		Bending radius (fixed)	3 × outer diameter
		Bending radius (mobile)	10 × outer diameter

The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

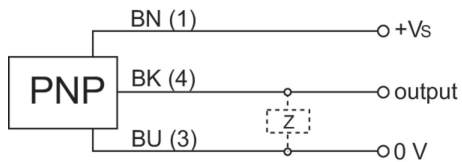
**Remarks**

- Robust steel housings
- High switching frequency
- Same sensing distance on all metals (no reduction factor)

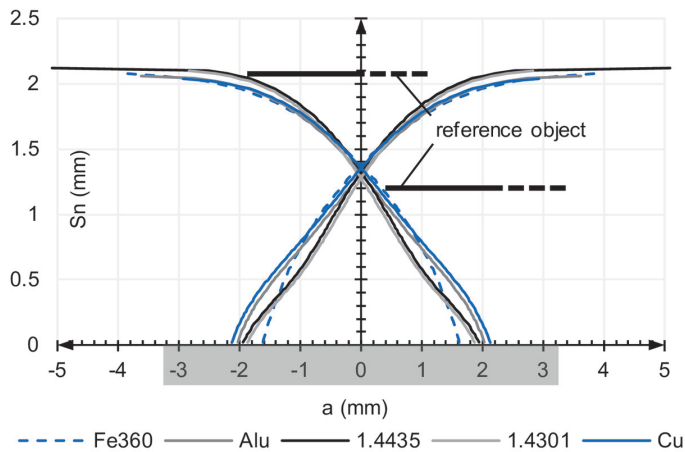
**Dimension drawing**



**Connection diagram**



**Response diagram**



# IR06.P02F-F40.PO1Z.7SCV

Inductive proximity switch - factor 1 - all metals

Article number: 11119422

## Accessories

### Mounting accessories

10109474	10109474
10117742	10117742