Baumer
Passion for Sensors

Inductive proximity switch

IR08.P03S.2-Q46.PC1Z.7SL

Article number: 11725025

Overview

- Cylindrical standard housing for versatile use
- Extended sensing distance for maximum reliability
- 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	
Mounting type	Quasi-flush
Nominal sensing distance Sn	3 mm
Assured sensing distance Sa	≤ 81 % of Sn
Real sensing distance Sr	± 10 % von Sn
Temperature drift	± 10 % of Sr
Hysteresis	3 … 20 % of Sr
Output indicator	LED red
Correction factor typ.	Mild steel 100 %, stainless steel 60 %, aluminum 30 %, copper 20 %
Reference object	Fe360 9 x 9 x 1 mm
Electrical data	
Switching frequency	2 kHz
Voltage supply range +Vs	6 … 36 VDC
Current consumption max. (no load)	10 mA
Output circuit	PNP break function (NC)
Voltage drop Vd	<2 VDC
Output current	100 mA
Short circuit protection	Yes

Electrical data	
Reverse polarity protection	Yes
Mechanical data	
Design	Cylindrical threaded
Material (sensing face)	PBT
Housing material	Stainless steel (V2A)
Dimension	8 mm
Housing length	46 mm
Connection types	Connector M8, 3 pin
Tightening torque max.	7 Nm
Ambient conditions	
Operating temperature	-25 … +75 °C
Storage temperature	-40 … +75 °C
Protection class	IP 67
Vibration resistance	IEC 60068-2-6:2008 10 g at f = 10 - 2000 Hz, duration 150 min per axis
Shock resistance	IEC 60068-2-27:2009 100 g / 6 ms, 10 jolts per axis and direction
Safe maximum values	
MTTF	3120 years
Diagnostic coverage (DC)	0 %

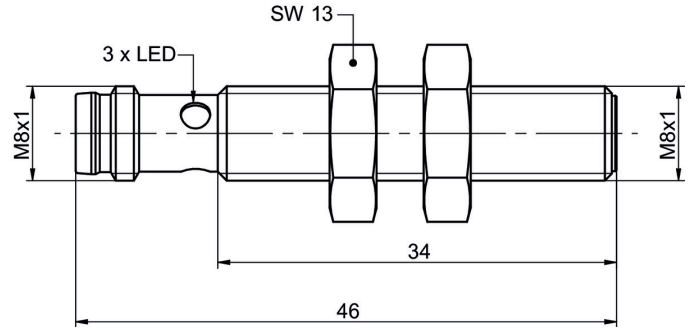
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Inductive proximity switch

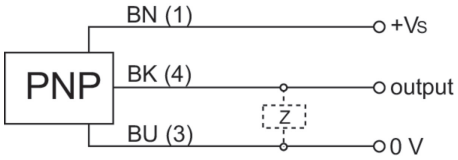
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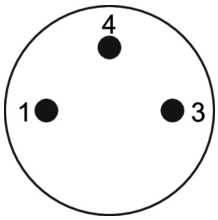
Dimension drawing



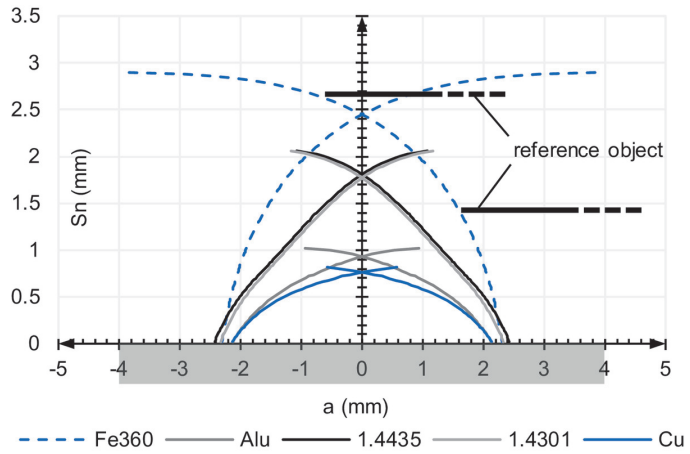
Connection diagram



Pin assignment



Response diagram



Accessories

Mounting accessories

10151719	Sensofix series 08 round

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