Baumer
Passion for Sensors

Inductive proximity switch

IR06.P06S-N40.PO1Z.7SCV

Inductive proximity switch - miniature

Article number: 11148714

Overview

- 6 mm
- PNP make function (NO)
- cable, 2 m
- -25 … 75 °C
- IP 67



Picture similar

Technical data

General data	
Mounting type	Non-flush
Special type	Enhanced distance (GammaProx)
Nominal sensing distance Sn	6 mm
Temperature drift	± 10 % (0 ... +60 °C) ± 15 % (-25 ... +75 °C)
Hysteresis	3 … 20 % of Sr
Output indicator	LED red
Correction factor typ.	Mild steel 100 %, stainless steel 80 %, aluminum 50 %
Electrical data	
Switching frequency	< 400 Hz
Voltage supply range +Vs	6 … 36 VDC
Current consumption max. (no load)	12 mA

Electrical data	
Output circuit	PNP make function (NO)
Voltage drop Vd	< 2 VDC
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Type	Cylindrical smooth
Material (sensing face)	PBT
Housing material	Stainless steel
Dimension	6,5 mm
Housing length	40 mm
Connection types	Cable, 2 m
Ambient conditions	
Operating temperature	-25 … +75 °C
Protection class	IP 67

Remarks

- Triple sensing distance

2021-04-28 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

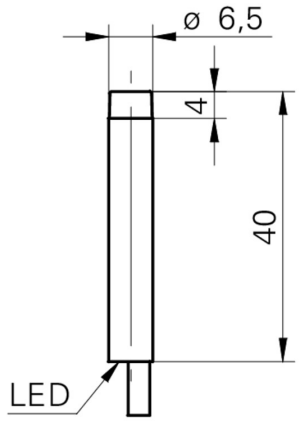
Inductive proximity switch

IR06.P06S-N40.PO1Z.7SCV

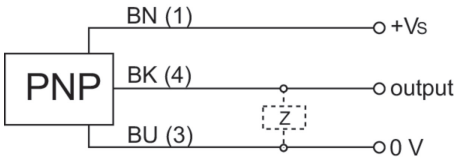
Inductive proximity switch - miniature

Article number: 11148714

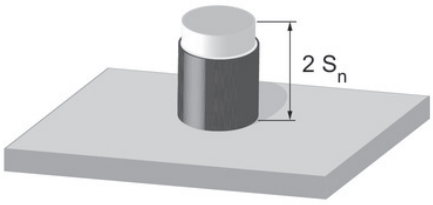
Dimension drawing



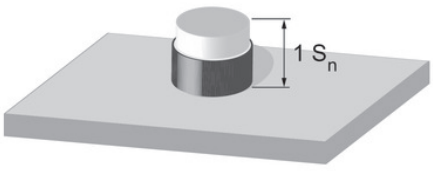
Connection diagram



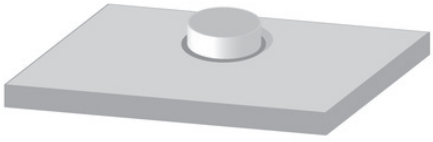
Correction factors for different mounting situation (approx.)



Mounting material	Correction factor
Mild steel	100 %
Stainless steel	100 %
Aluminum	100 %



Mounting material	Correction factor
Mild steel	110 %
Stainless steel	95 %
Aluminum	90 %



Mounting material	Correction factor
Mild steel	not possible
Stainless steel	95 %
Aluminum	80 %

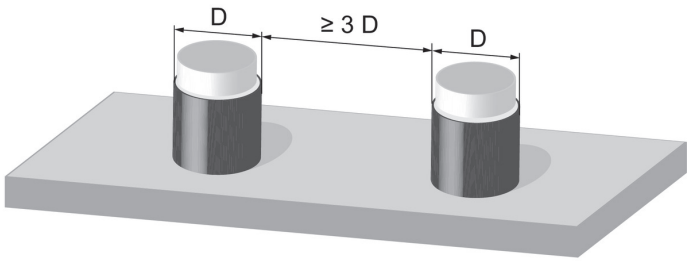
2021-04-28 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.

IR06.P06S-N40.PO1Z.7SCV

Inductive proximity switch - miniature

Article number: 11148714

Mounting instructions



2021-04-28 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.