Baumer
Passion for Sensors

Inductive proximity switch

IR12.P10S-N50.NO1Z.7BCV

Inductive proximity switch - large sensing distance

Article number: 11148324

Overview

- 10 mm
- NPN 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	10 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 75 %, aluminum 50 %
Electrical data	
Switching frequency	< 1,5 kHz
Voltage supply range +Vs	6 … 36 VDC
Current consumption max. (no load)	10 mA
Output circuit	NPN make function (NO)

Electrical data	
Voltage drop Vd	< 2 VDC
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes
Mechanical data	
Type	Cylindrical threaded
Material (sensing face)	PBT
Housing material	Brass nickel plated
Dimension	12 mm
Housing length	50 mm
Connection types	Cable, 2 m
Tightening torque max.	15 Nm (A: 10 Nm)
Ambient conditions	
Operating temperature	-25 … +75 °C
Protection class	IP 67

Remarks

- Increased sensing distance

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

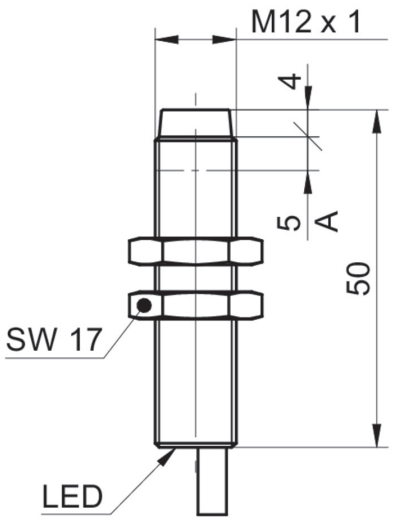
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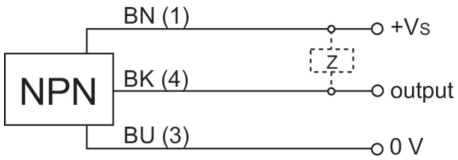
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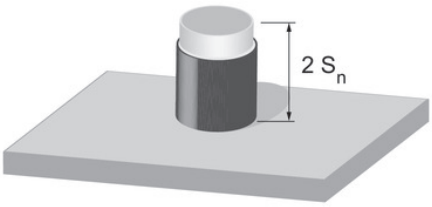
Dimension drawing



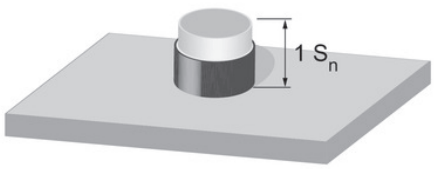
Connection diagram



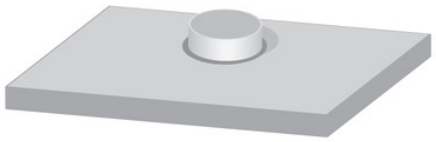
Correction factors for different mounting situation (approx.)



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



Mounting material	Correction factor
Mild steel	105 %
Stainless steel	100 %
Aluminum	100 %



Mounting material	Correction factor
Mild steel	not possible
Stainless steel	not possible
Aluminum	90 %

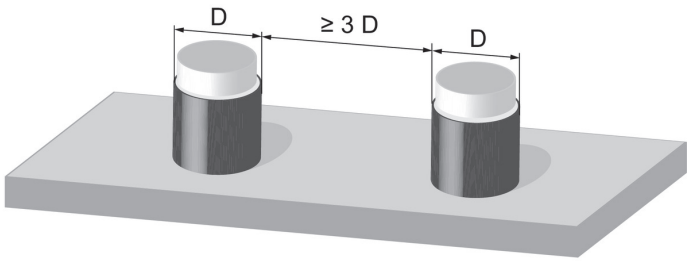
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Mounting instructions



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