

## IR12.P06S-F50.NC1Z.7BCV

Inductive proximity switch - large sensing distance

Article number: 11148441

### Overview

- 6 mm
- NPN break function (NC)
- cable, 2 m
- 25 ... 75 °C
- IP 67



*Picture similar*



### Technical data

#### General data

Mounting type	Flush
Special type	Enhanced distance (GammaProx)
Nominal sensing distance S <sub>n</sub>	6 mm
Temperature drift	± 10 %
Hysteresis	3 ... 20 % of S <sub>r</sub>
Output indicator	LED red
Correction factor typ.	Mild steel 100 %, stainless steel 75 %, aluminum 45 %

#### Electrical data

Switching frequency	1 kHz
Voltage supply range +V <sub>s</sub>	6 ... 36 VDC
Current consumption max. (no load)	10 mA
Output circuit	NPN break function (NC)

#### Electrical data

Voltage drop V <sub>d</sub>	< 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, L=2 m
Tightening torque max.	15 Nm (A: 10 Nm)

#### Ambient conditions

Operating temperature	-25 ... +75 °C
Protection class	IP 67

### Remarks

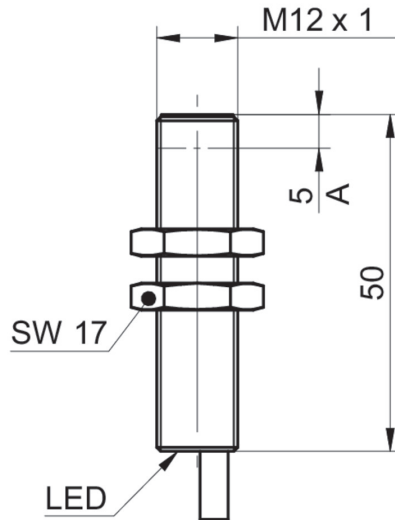
- Triple sensing distance

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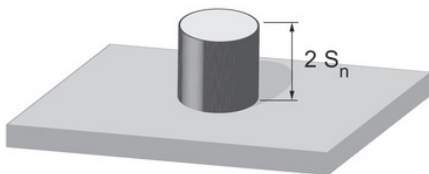
### Dimension drawing



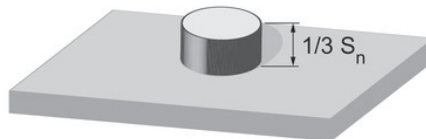
### Connection diagram



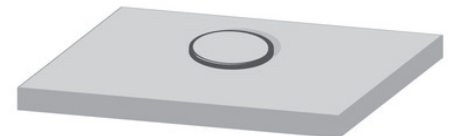
### Correction factors for different mounting situation (approx.)



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



Mounting material	Correction factor
Mild steel	100 %
Stainless steel	95 %
Aluminum	95 %



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

**Mounting instructions**

