

**Overview**

- 4 mm
- NPN complementary (NO / NC)
- connector M12
- -25 ... 75 °C
- IP 67



Picture similar



**Technical data**

**General data**

Mounting type	Flush
Nominal sensing distance Sn	4 mm
Temperature drift	± 10 %
Hysteresis	3 ... 20 % of Sr
Output indicator	3 port LED red
Correction factor typ.	Mild steel 100 %, stainless steel 80 %, aluminum 50 %

**Electrical data**

Switching frequency	< 2 kHz
Voltage supply range +Vs	6 ... 36 VDC
Current consumption max. (no load)	10 mA
Output circuit	NPN complementary (NO / NC)
Voltage drop Vd	< 2 VDC

**Electrical data**

Output current	< 200 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	Connector M12
Tightening torque max.	15 Nm (A: 10 Nm)

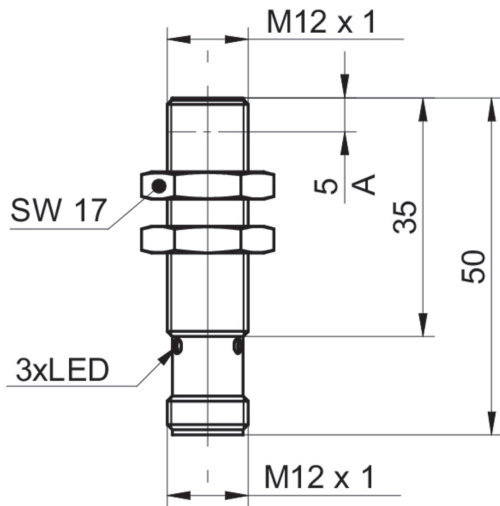
**Ambient conditions**

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

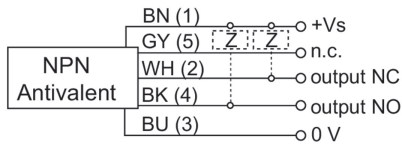
**Remarks**

- Complementary output

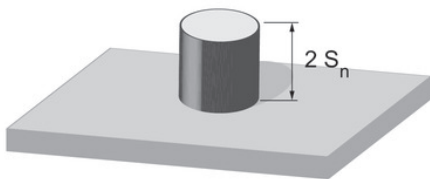
**Dimension drawing**



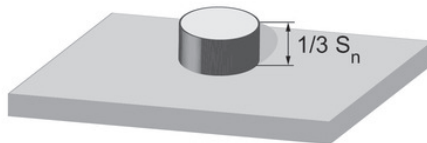
**Connection diagram**



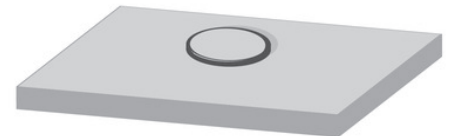
**Correction factors for different mounting situation (approx.)**



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



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



Mounting material	Correction factor
Mild steel	115 %
Stainless steel	110 %
Aluminum	105 %

**Mounting instructions**

