

**Overview**

- 4 mm
- PNP make function (NO)
- connector M12
- -40 ... 75 °C
- IP 67



Picture similar



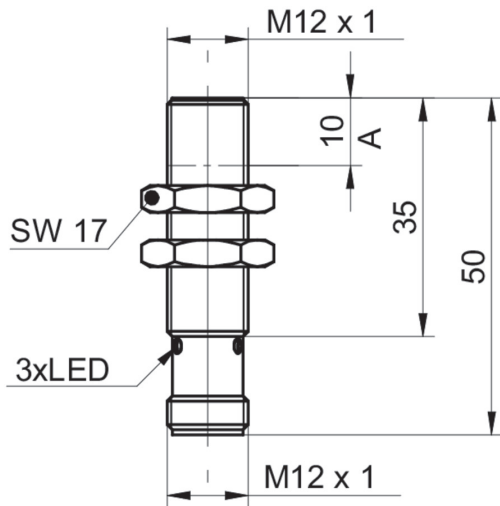
**Technical data**

General data		Electrical data	
Mounting type	Flush	Output circuit	PNP make function (NO)
Special type	Marine	Voltage drop Vd	< 2 VDC
Nominal sensing distance Sn	4 mm	Output current	< 100 mA
Temperature drift	± 20 %	Short circuit protection	Yes
Hysteresis	2 ... 18 % of Sr	Reverse polarity protection	Yes
Output indicator	3 port LED red	Mechanical data	
Correction factor typ.	Mild steel 100 %, stainless steel 75 %, aluminum 45 %	Type	Cylindrical threaded
Approvals/certificates	DNV GL	Material (sensing face)	PBT
Electrical data		Housing material	Stainless steel 1.4404 (V4A)
Switching frequency	< 1 kHz	Dimension	12 mm
Voltage supply range +Vs	6 ... 36 VDC	Housing length	50 mm
Normal operating voltage	24 VDC	Connection types	Connector M12
Current consumption max. (no load)	12 mA	Tightening torque max.	20 Nm (A: 12 Nm)
		Ambient conditions	
		Operating temperature	-40 ... +75 °C
		Protection class	IP 67

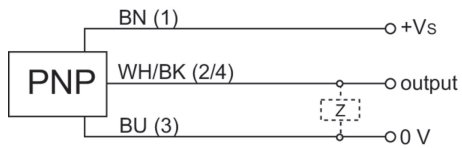
**Remarks**

- Marine Type Approval (acc. to DNVGL-CG-0339)
- Extended temperature range

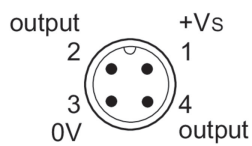
**Dimension drawing**



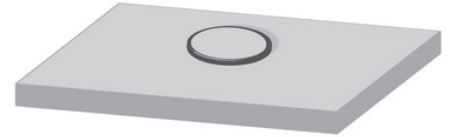
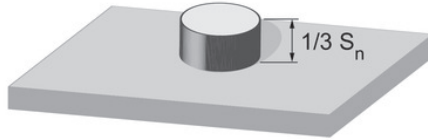
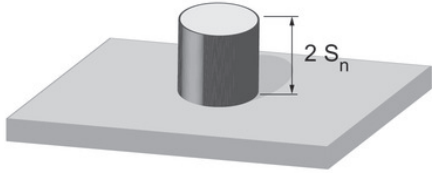
**Connection diagram**



**Pin assignment**



**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	90 %
Aluminum	80 %

Mounting material	Correction factor
Mild steel	100 %
Stainless steel	80 %
Aluminum	65 %

**Mounting instructions**

