

Overview

- 4 mm
- PNP break function (NC)
- connector M12
- -40 ... 75 °C
- IP 67



Picture similar



Technical data

General data

Mounting type	Flush
Special type	Marine
Nominal sensing distance S _n	4 mm
Temperature drift	± 20 %
Hysteresis	2 ... 18 % of S _r
Output indicator	3 port LED red
Correction factor typ.	Mild steel 100 %, stainless steel 75 %, aluminum 45 %
Approvals/certificates	DNV GL

Electrical data

Switching frequency	< 1 kHz
Voltage supply range +V _s	6 ... 36 VDC
Normal operating voltage	24 VDC
Current consumption max. (no load)	12 mA

Electrical data

Output circuit	PNP break function (NC)
Voltage drop V _d	< 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	Stainless steel 1.4404 (V4A)
Dimension	12 mm
Housing length	50 mm
Connection types	Connector M12
Tightening torque max.	20 Nm (A: 12 Nm)

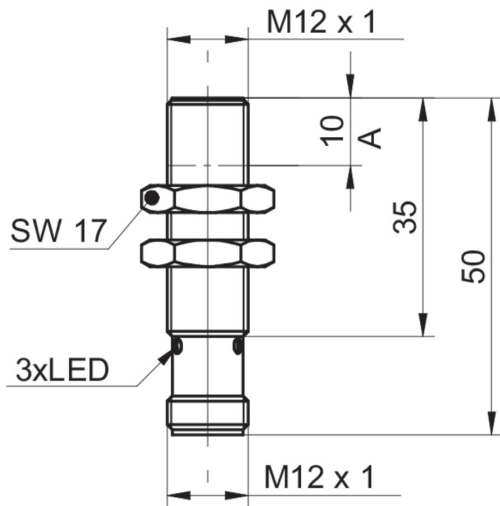
Ambient conditions

Operating temperature	-40 ... +75 °C
Protection class	IP 67

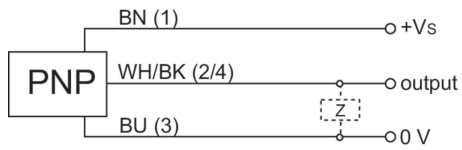
Remarks

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

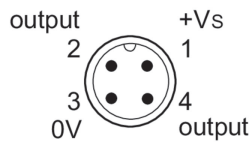
Dimension drawing



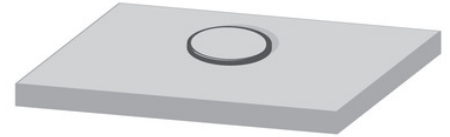
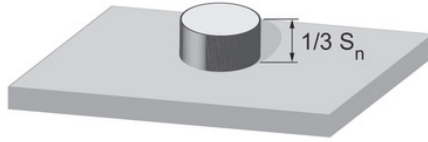
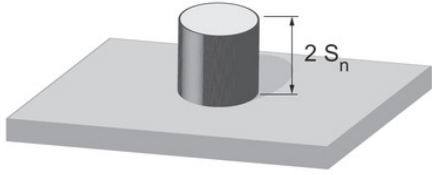
Connection diagram



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

