

Overview

- 3 mm
- NPN make function (NO)
- connector M8
- -25 ... 75 °C
- IP 67



Picture similar



Technical data

General data

Mounting type	Flush
Special type	Enhanced distance (GammaProx)
Nominal sensing distance S _n	3 mm
Temperature drift	± 10 %
Hysteresis	3 ... 20 % of S _r
Output indicator	3 port LED red
Correction factor typ.	Mild steel 100 %, stainless steel 65 %, aluminum 30 %

Electrical data

Switching frequency	2 kHz
Voltage supply range +V _s	6 ... 36 VDC
Current consumption max. (no load)	10 mA
Output circuit	NPN make function (NO)

Electrical data

Voltage drop V _d	< 2 VDC
Output current	< 100 mA
Short circuit protection	Yes
Reverse polarity protection	Yes

Mechanical data

Type	Cylindrical smooth
Material (sensing face)	PBT
Housing material	Stainless steel
Dimension	6.5 mm
Housing length	46 mm
Connection types	Connector M8

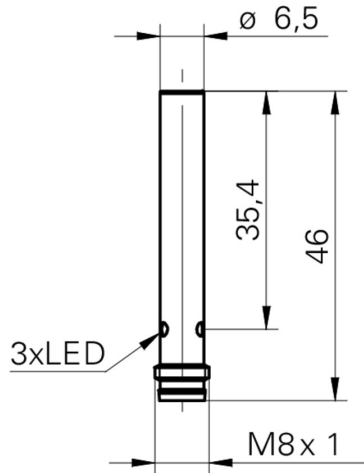
Ambient conditions

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

Remarks

- Triple sensing distance

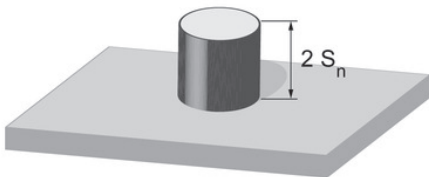
Dimension drawing



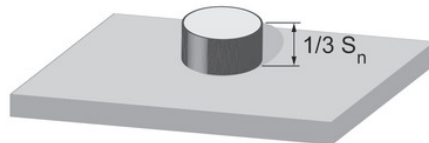
Connection diagram



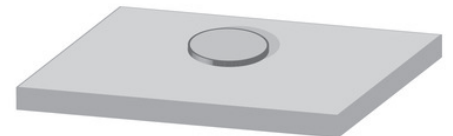
Correction factors for different mounting situation (approx.)



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



Mounting material	Correction factor
Mild steel	85 %
Stainless steel	65 %
Aluminum	55 %



Mounting material	Correction factor
Mild steel	90 %
Stainless steel	60 %
Aluminum	45 %

Mounting instructions

