

# Inductive sensor

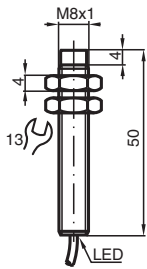
## NBN2,5-8GM50-E0



- Red LED for switching status
- Sensing range 2.5 mm
- 3-wire DC



### Dimensions



### Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	2.5 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 2.03 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{304}$		0.75
Output type		3-wire
Nominal ratings		
Operating voltage	$U_B$	5 ... 30 V
Switching frequency	$f$	2000 Hz
Hysteresis	$H$	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing

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## Technical Data

Voltage drop	$U_d$	$\leq 1 \text{ V}$
Operating current	$I_L$	150 mA
Off-state current	$I_r$	$\leq 10 \mu\text{A}$
No-load supply current	$I_0$	$\leq 10 \text{ mA}$
Switching state indicator		LED red
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
UL approval		cULus Listed, General Purpose
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		cable
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		3 mm - 0.2 mm
Bending radius		> 12 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm <sup>2</sup>
Length	L	2 m
Dimensions		
Length		50 mm
Diameter		8 mm

## Connection

