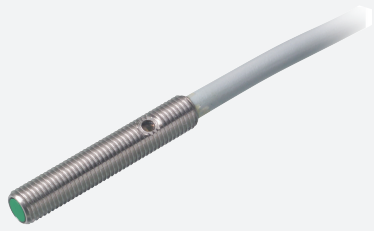


# Inductive sensor

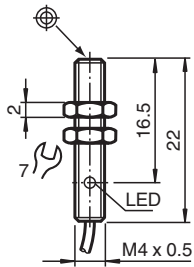
## NBB1-4GM22-E0



- 1 mm flush
- Miniature design



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	1 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 0.81 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.29
Reduction factor $r_{304}$		0.76
Reduction factor $r_{Brass}$		0.46
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 700 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. at 25 °C
No-load supply current	$I_o$	$\leq 10$ mA
Switching state indicator		LED, yellow

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## Technical Data

### Compliance with standards and directives

Standard conformity	
Standards	EN IEC 60947-5-2

### Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V

### Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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### Mechanical specifications

Connection type		cable
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PC
Degree of protection		IP67
Cable		
Cable diameter		2.6 mm $\pm$ 0.1 mm
Bending radius		> 10 x cable diameter
Material		PUR
Color		grey
Number of cores		3
Core cross section		0.055 mm <sup>2</sup>
Length	L	2 m
Dimensions		
Length		22 mm
Diameter		4 mm

## Connection

