

# Inductive sensor

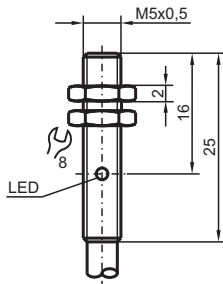
## NBB0,8-5GM25-E1



- Basic series
- 0.8 mm flush



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally closed (NC)
Output type		NPN
Rated operating distance	$s_n$	0.8 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 0.648 mm
Reduction factor $r_{Al}$		0.45
Reduction factor $r_{Cu}$		0.4
Reduction factor $r_{304}$		0.85
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz

Release date: 2022-05-18 Date of issue: 2022-05-18 Filename: 134076\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

Hysteresis	H	5 ... 20 %
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. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_o$	$\leq 12$ mA
Switching state indicator		LED, yellow

### Compliance with standards and directives

Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

### 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 PVC , 2 m
Core cross section		0.14 mm <sup>2</sup>
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

## Connection

