

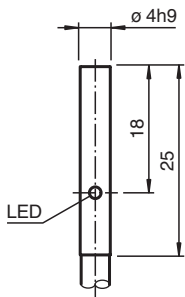
# Inductive sensor

## NBB1,5-4M25-E2

■ Basic series



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	$s_n$	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.215 mm
Reduction factor $r_{Al}$		0.46
Reduction factor $r_{Cu}$		0.41
Reduction factor $r_{304}$		0.89
Reduction factor $r_{Brass}$		0.59
Output type		3-wire

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	1 ... 15 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 10$ mA

Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 202172\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

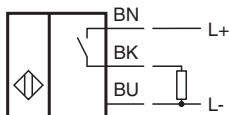
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PF** PEPPERL+FUCHS

## Technical Data

Switching state indicator	LED, yellow	
<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	
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)	
<b>Mechanical specifications</b>		
Connection type	cable	
Housing material	Stainless steel 1.4305 / AISI 303	
Sensing face	POM	
Degree of protection	IP67	
Cable		
Wire end ferrules	yes	
Cable diameter	3 mm $\pm$ 0.2 mm	
Bending radius	> 10 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	25 mm	
Diameter	4 mm	

## Connection



## Mounting

