

Inductive sensor

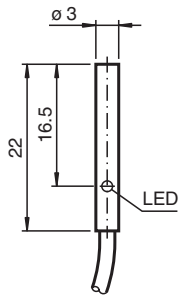
NBB0,6-3M22-E3



- 0.6 mm flush
- Miniature design



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		PNP
Rated operating distance	s _n	0.6 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 0.486 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 ... 1300 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 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 ₀	≤ 10 mA

Release date: 2024-04-25 Date of issue: 2024-04-25 Filename: 218335_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

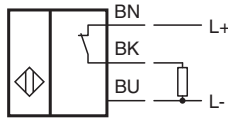
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Switching state indicator		LED, yellow
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 ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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 ± 0.1 mm
Bending radius		> 10 x cable diameter
Material		PUR
Color		grey
Number of cores		3
Core cross section		0.055 mm ²
Length	L	2 m
Dimensions		
Length		22 mm
Diameter		3 mm

Connection Assignment



Mounting

