

Inductive sensor

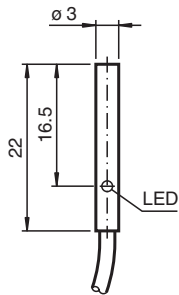
NBB0,6-3M22-E3-Y70174941



- 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

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

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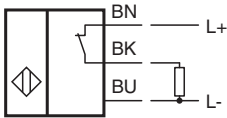
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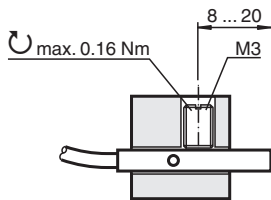
Technical Data

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	PBT
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 mm²
Length	L 2 m
Dimensions	
Length	22 mm
Diameter	3 mm

Connection Assignment



Mounting



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