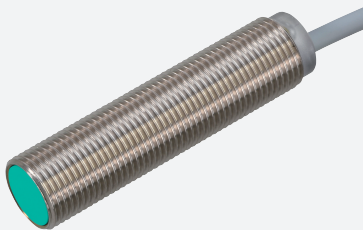


Inductive sensor

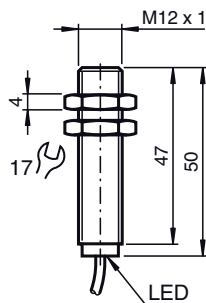
NXB4-12GM50-E2



■ 4 mm flush



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s _n	4 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 3.24 mm
Reduction factor r _{Al}		0.39
Reduction factor r _{Cu}		0.35
Reduction factor r ₃₀₄		0.75
Reduction factor r _{Brass}		0.49
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	10 ... 30 V
Switching frequency	f	0 ... 450 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected

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

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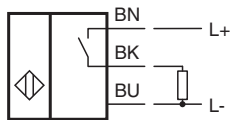
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 **PEPPERL+FUCHS**

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 3\text{ V}$
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	I_0	$\leq 15\text{ mA}$
Time delay before availability	t_v	$\leq 5\text{ ms}$
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cablе PVC , 2 m
Cablе version		3 x 0.14 mm ²
Core cross-section		0.14 mm ²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
General information		
Scope of delivery		2 hex nuts included

Connection



Accessories

	BF 12	Mounting flange, 12 mm
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Release date: 2020-04-09 Date of issue: 2020-09-03 Filename: 291609_eng.pdf