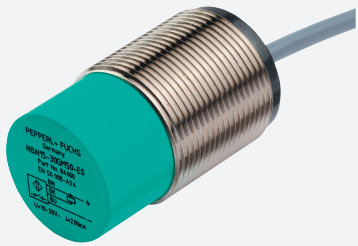


Inductive sensor

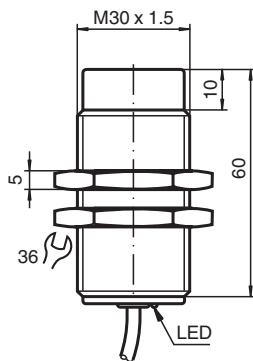
NEN40-30GM60-E2



- 40 mm non-flush
- Increased operating distance



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	40 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{Al}		0.42
Reduction factor r_{Cu}		0.37
Reduction factor r_{304}		0.78
Output type		3-wire

Nominal ratings

Installation conditions		
A		in aluminum: 25 mm in steel 1.0037 (St37): 35 mm in brass 25 mm in stainless steel 20 mm
B		55 mm
C		120 mm
F		150 mm
Operating voltage	U_B	10 ... 30 V

Release date: 2024-05-28 Date of issue: 2024-06-06 Filename: 231574_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

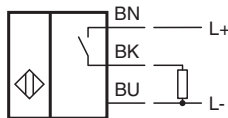
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Switching frequency	f	0 ... 100 Hz
Hysteresis	H	≤ 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 2 V
Operating current	I _L	0 ... 200 mA
Off-state current	I _r	0 ... 0.1 mA typ. 0.1 µA at 25 °C
No-load supply current	I ₀	≤ 10 mA
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		211 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
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		cablc PVC , 2 m
Core cross section		0.34 mm²
Housing material		chromium plated brass
Sensing face		PBT
Degree of protection		IP67
Dimensions		
Length		60 mm
Diameter		30 mm

Connection



Installation

