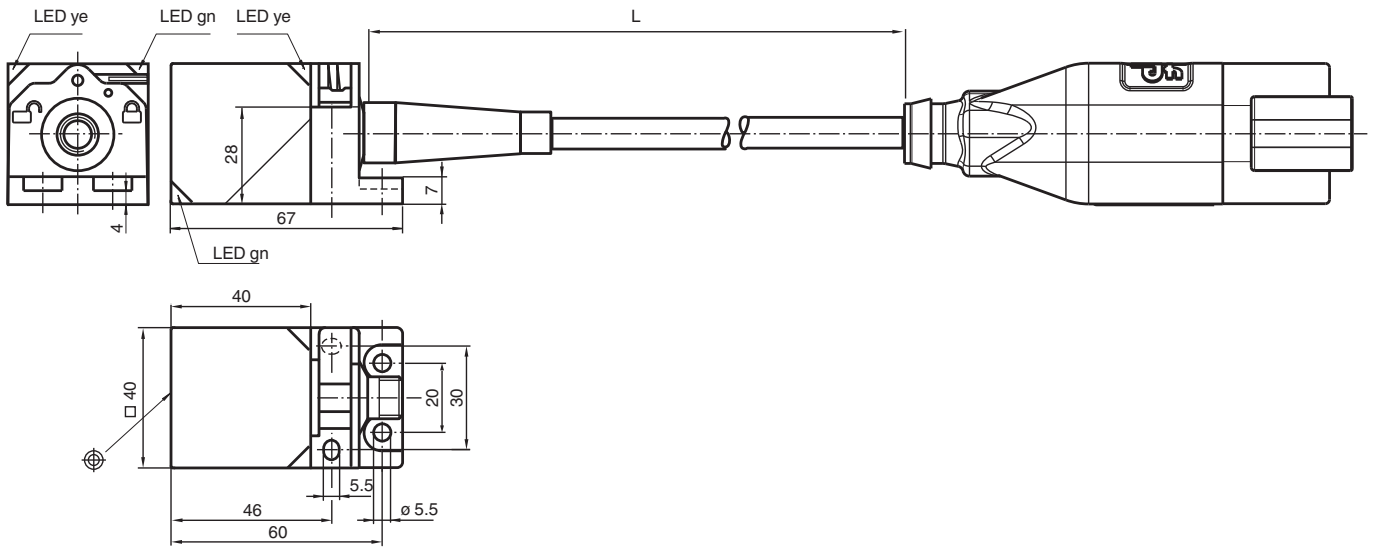


Inductive sensor

NBN40-L2-E2-220MM-3DT04

- Sensor head bidirectional and rotatable
- 40 mm non-flush
- 3-wire DC
- Quick mounting bracket
- 4-way LED indicator
- Deutsch connector 3-pin



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
Actual operating distance	s_r	36 ... 44 mm
Reduction factor r_{Al}		0.33
Reduction factor r_{Cu}		0.31
Reduction factor r_{304}		0.74
Reduction factor r_{Brass}		0.38
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 180 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 200 mA

Release date: 2021-07-22 Date of issue: 2021-07-22 Filename: 917008_eng.pdf

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

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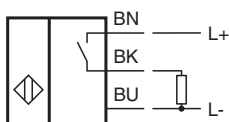
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PF PEPPERL+FUCHS

Technical Data

Off-state current	I_r	0 ... 0.5 mA
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	80 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1510 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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 ... 85 °C (-13 ... 185 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Core cross-section		3 x 0.75 mm ²
Housing material		PA
Sensing face		PA
Degree of protection		IP68
Connector		Deutsch connector
Number of pins		3
Connection assembly		Deutsch connector DT04-3P-CE02 Deutsch wedge W3P Deutsch contact 1060-16-0622
Cable		
Length	L	L = 220 mm

Connection



Wire colors

A	BN
B	BU
C	BK

Accessories

	DT3S-G-BK3M-PUR-01	Female cordset single-ended Deutsch socket straight, 3-pin, PUR cable black, drag chain suitable, outdoor
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Accessories**DT3S-G-BK6M-PUR-O1**

Female cordset single-ended Deutsch socket straight, 3-pin, PUR cable black, drag chain suitable, outdoor