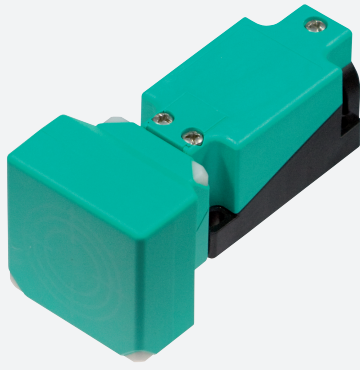


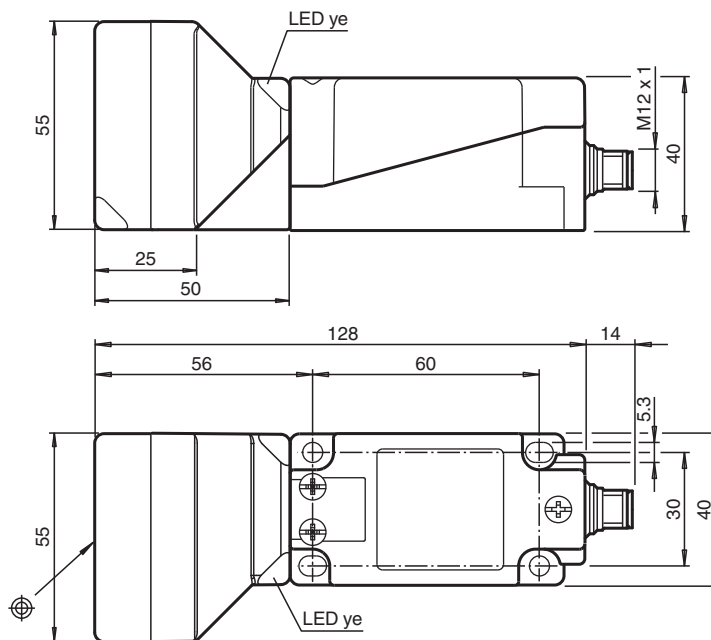


Inductive sensor NBN40-U4LK-N0-V1

- Sensor head bidirectional and rotatable
- 40 mm non-flush



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)	
Output type	NAMUR	
Rated operating distance	s_n	40 mm
Installation	non-flush	
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{AI}	0.41	
Reduction factor r_{Cu}	0.38	
Reduction factor r_{304}	0.75	

Release date: 2020-05-06 Date of issue: 2020-05-06 Filename: 239172_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

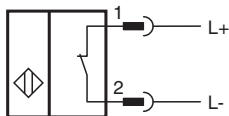
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

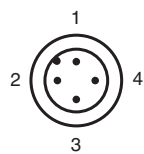
Technical Data

Reduction factor r_{Brass}		0.46
Output type		2-wire
Nominal ratings		
Installation conditions		
A		25 mm
Nominal voltage	U_o	8.2 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	2 ... 20 typ. 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Current consumption		
Measuring plate not detected		min. 2.5 mA
Measuring plate detected		≤ 1 mA
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Electromagnetic compatibility		NE 21:2012
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
UL approval		
Ordinary Location		E87056
Hazardous Location		E501628
Control drawing		116-0451
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		PA
Sensing face		PA
Housing base		metal
Degree of protection		IP67 / IP69K
General information		
Use in the hazardous area		see instruction manuals

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-6

1	BN	(brown)
2	BU	(blue)

Accessories

	MHW 01	Modular mounting bracket
	MH 04-2057B	Mounting aid for VariKont and +U1+

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