

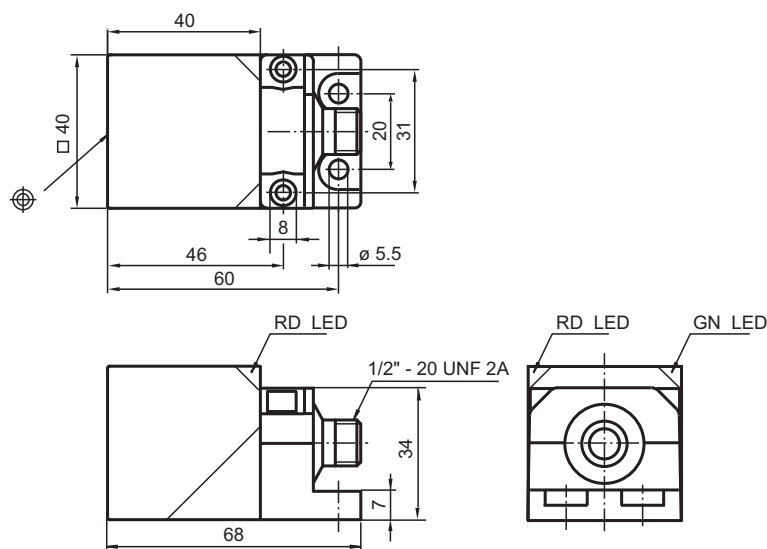
Inductive sensor

NBN40-L3M-US-V12

- 40 mm non-flush
- 2-corner LED, metal base & mount
- 2-wire AC/DC



Dimensions



Technical Data

General specifications			
Switching function		Normally open (NO)	
Output type		Two-wire	
Rated operating distance	s_n	40 mm	
Installation		non-flush	
Output polarity		AC/DC	
Assured operating distance	s_a	0 ... 12.96 mm	
Reduction factor r_{AI}		0.30 - 0.40	
Reduction factor r_{304}		0.60 - 0.80	

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

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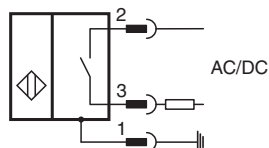
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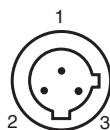
Technical Data

Output type	2-wire	
Nominal ratings		
Switching frequency	f	30 Hz
Hysteresis	H	3 ... 15 typ. 10 %
Reverse polarity protection	reverse polarity protected	
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 7 V
Operating current	I _L	3 ... 300 mA
Off-state current	I _r	≤ 1.7 mA
No-load supply current	I ₀	≤ 0.6 mA
Operating voltage indicator	LED, green	
Switching state indicator		LED, red
Indicators/operating means		
LED red/green		Short circuit/overload indication (alternate flashing)
Electrical specifications		
Rated operating voltage	U _e	24 ... 250 V DC / 24 ... 230 V AC
Operating voltage	U _B	20 ... 300 V DC / 20 ... 253 V AC
Compliance with standards and directives		
Standard conformity		
Standards		IEC 61000-4 / EN 60947-5-2:2004
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		Connector plug 1/2"-20 UN , 3-pin
Housing material		metal - Zinc housing
Sensing face		Thermoset Plastic
Housing base		Metal Bracket
Degree of protection		IP67

Connection



Connection Assignment



Wire colors

1	GN	(green)
2	RD/BK	(red/black)
3	RD/WH	(red/white)

Accessories

	V12-W-YE2M-PUR-H/S	Connecting cable, 1/2" - 20 UNF, 3-pin, irradiated PUR cable
	V12-G-YE2M-PVC	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable

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