

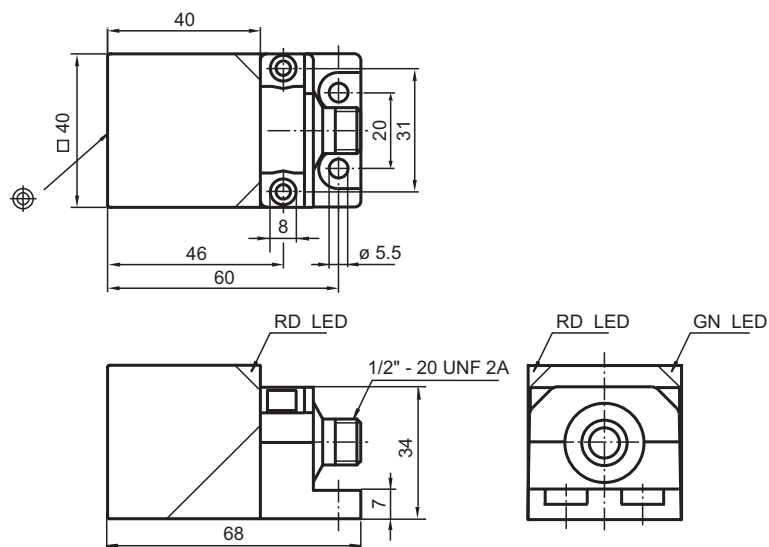


Inductive sensor NBB20-L3M-US-V12

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



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	20 mm
Installation		flush
Output polarity		AC/DC

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

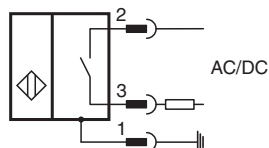
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

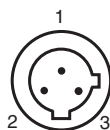
Technical Data

Reduction factor r_{Al}		0.30 - 0.40
Reduction factor r_{304}		0.60 - 0.80
Output type		2-wire
Nominal ratings		
Switching frequency	f	0 ... 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
Operating voltage indicator		LED, green
Switching state indicator		LED, red
Indicators/operating means		
LED red/green		Short circuit/overload indication
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)
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
	MHW 01	Modular mounting bracket
	V12-G-YE2M-PVC	Connecting cable, 1/2" - 20 UNF, 3-pin, PVC cable

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 910168_eng.pdf