

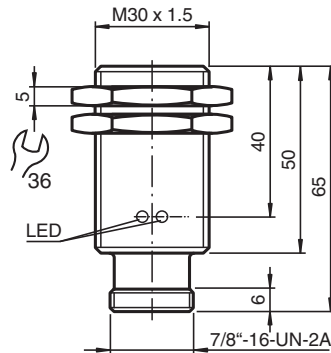
Inductive sensor

NBB10-30GM50-WS-V93

- Basic series
- 10 mm flush
- 2-wire AC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	10 mm
Installation		flush
Output polarity		AC
Assured operating distance	s_a	0 ... 8.1 mm
Actual operating distance	s_r	9 ... 11 mm
Reduction factor r_{AI}		0.33
Reduction factor r_{Cu}		0.28
Reduction factor r_{304}		0.81
Output type		2-wire

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	0 ... 20 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Voltage drop	U_d	< 5 V ($I_L > 50$ mA); < 8 V ($I_L < 50$ mA)
Momentary current (20 ms, 0.1 Hz)		0 ... 1600 mA
Operating current	I_L	5 ... 200 mA
Off-state current	I_r	0 ... 1.7 mA

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 801697_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

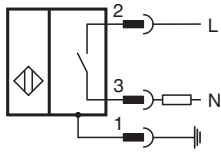
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

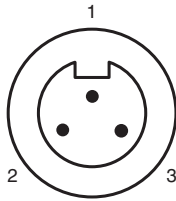
Technical Data

Operating voltage indicator	LED, green
Switching state indicator	LED, yellow
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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 7/8 inch-16 UN , 3-pin
Housing material	brass, nickel-plated
Sensing face	PBT
Degree of protection	IP67
Note	1) In the temperature range below 0 °C, permissible operating voltage U_b 80...253 V Safety fuse ≤ 0.3 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Connection



Connection Assignment



Wire colors

1	GN	(green)
2	BK	(black)
3	WH	(white)

Accessories

	BF 30	Mounting flange, 30 mm
---	--------------	------------------------

Accessories

	EXG-30	Quick mounting bracket with dead stop
	V93-G-YE2M-STOOW	Female cordset, 7/8", 3-pin, STOOW cable

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 801697_eng.pdf