

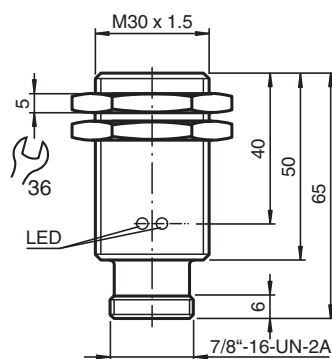
Inductive sensor

NBB15-30GM50-WO-V93

■ Basic series



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s _n	15 mm
Installation		quasi flush
Output polarity		AC
Assured operating distance	s _a	0 ... 12.15 mm
Actual operating distance	s _r	13.5 ... 16.5 mm
Reduction factor r _{Al}		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 %
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
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

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

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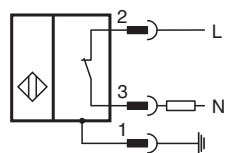
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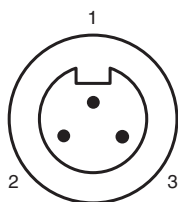
Technical Data

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
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



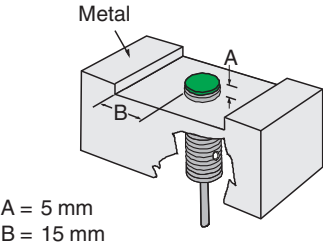
Wire colors

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

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 801698_eng.pdf

Mounting

Installation conditions



Accessories

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

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