



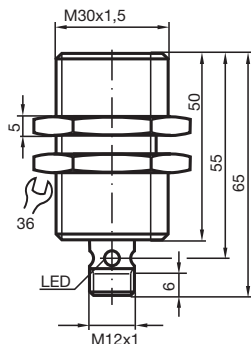
Inductive sensor

NCB15-30GM50-Z5-V1

- 15 mm flush
- 2-wire DC
- Increased operating distance



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		Two-wire
Rated operating distance	s _n	15 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 12 mm
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.4
Reduction factor r ₃₀₄		0.7
Reduction factor r _{Brass}		0.5
Nominal ratings		
Operating voltage	U _B	3.5 ... 30 V

Technical Data

Switching frequency	f	500 Hz
Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3.5 V
Temperature drift		± 15%
Operating current	I _L	2 ... 100 mA
Off-state current	I _r	typ. 0.8 mA
Switching state indicator		LED, yellow

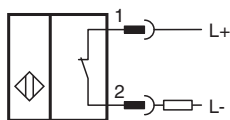
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V

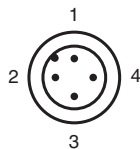
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications		
Connection type		Connector M12 x 1 , 4-pin
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 182913_eng.pdf

Accessories

	BF 30	Mounting flange, 30 mm
	EXG-30	Quick mounting bracket with dead stop
	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable